API Well Number: 43013514120000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☑

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER
Lusty 1-11-3-3W

2. TYPE OF WORK
DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○

3. FIELD OR WILDCAT
WILDCAT

4. TYPE OF WELL
Oil Well Coalbed Methane Well: NO

5. UNIT or COMMUNITIZATION AGREEMENT NAME

6. NAME OF OPERATOR
NEWFIELD PRODUCTION COMPANY

7. OPERATOR PHONE
435 646-4825

8. ADDRESS OF OPERATOR
Rt 3 Box 3630 , Myton, UT, 84052

9. OPERATOR E-MAIL
mcrozier@newfield.com

10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)
patented

11. MINERAL OWNERSHIP
FEDERAL ○ INDIAN ○ STATE ○ FEE ◉

12. SURFACE OWNERSHIP
FEDERAL ○ INDIAN ○ STATE ○ FEE ◉

13. NAME OF SURFACE OWNER (if box 12 = 'fee')
David A. Evans & Alicia L. Evans

14. SURFACE OWNER PHONE (if box 12 = 'fee')
435-823-3432

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')
HC 64 Box 390, Duchesne, UT 84021

16. SURFACE OWNER E-MAIL (if box 12 = 'fee')

17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')

18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS
YES ○ (Submit Commingling Application) NO ◉

19. SLANT
VERTICAL ○ DIRECTIONAL ◉ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	60 FNL 1121 FEL	NENE	11	3.0 S	3.0 W	U
Top of Uppermost Producing Zone	60 FNL 1121 FEL	NENE	11	3.0 S	3.0 W	U
At Total Depth	660 FNL 1109 FEL	NENE	11	3.0 S	3.0 W	U

21. COUNTY
DUCHESNE

22. DISTANCE TO NEAREST LEASE LINE (Feet)
60

23. NUMBER OF ACRES IN DRILLING UNIT
40

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
1495

26. PROPOSED DEPTH
MD: 11030 TVD: 11000

27. ELEVATION - GROUND LEVEL
5307

28. BOND NUMBER
B001834

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
437478

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.5	14	0 - 60	37.0	H-40 ST&C	0.0	Class G	35	1.17	15.8
SURF	12.25	9.625	0 - 1000	36.0	J-55 LT&C	8.3	Premium Lite High Strength	51	3.53	11.0
							Class G	154	1.17	15.8
I1	8.75	7	0 - 8688	26.0	P-110 LT&C	9.5	Premium Lite High Strength	284	3.53	11.0
							50/50 Poz	262	1.24	14.3
PROD	6.125	4.5	8488 - 11030	11.6	P-110 LT&C	11.5	50/50 Poz	222	1.24	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ COMPLETE DRILLING PLAN
- ☑ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)
- ☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
- ☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)
- ☑ TOPOGRAPHICAL MAP

NAME Don Hamilton **TITLE** Permitting Agent **PHONE** 435 719-2018

SIGNATURE **DATE** 05/15/2012 **EMAIL** starpoint@etv.net

API NUMBER ASSIGNED
43013514120000

APPROVAL
Permit Manager

RECEIVED: August 02, 2012

Newfield Production Company
Lusty 1-11-3-3W
NE/NE Section 11, T3S, R3W
Duchesne County, UT

Drilling Program

1. Formation Tops

	TVD	MD
Uinta	surface	surface
Green River	3,892'	3,892'
Garden Gulch member	6,807'	6,834'
Wasatch	9,286'	9,319'
TD	11,000'	11,030'

2. Depth to Oil, Gas, Water, or Minerals

	TVD	
Base of moderately saline	681'	(water)
Green River	6,807' - 9,286'	(oil)
Wasatch	9,286' - TD	(oil)

3. Pressure Control

Section	BOP Description
Surface	12-1/4" diverter
Interm/Prod	The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 5M system. A 5M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at least 5,000 psi will be used.

4. Casing

Description	Interval (MD)		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors		
	Top	Bottom							Burst	Collapse	Tension
Conductor 14	0'	60'	37	H-40	Weld	--	--	--	--	--	--
									--	--	--
Surface 9 5/8	0'	1,000'	36	J-55	LTC	8.33	8.33	12	3,520	2,020	453,000
									6.27	6.35	12.58
Intermediate 7	0'	8,688'	26	P-110	LTC	9	9.5	15	9,960	6,210	693,000
									2.43	1.81	3.07
Production 4 1/2	8,488'	11,030'	11.6	P-110	LTC	11	11.5	--	10,690	7,560	279,000
									2.05	1.38	2.18

Assumptions:

RECEIVED: May 15, 2012

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)
Intermediate casing MASP = (reservoir pressure) - (gas gradient)
Production casing MASP = (reservoir pressure) - (gas gradient)
All collapse calculations assume fully evacuated casing with a gas gradient
All tension calculations assume air weight of casing
Gas gradient = 0.1 psi/ft

All casing shall be new.
All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.

5. Cement

Job	Hole Size	Fill	Slurry Description	ft^3 / sacks	OH excess	Weight (ppg)	Yield (ft^3/sk)
Conductor	17 1/2	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	41 / 35	15%	15.8	1.17
Surface Lead	12 1/4	500'	Premium Lite II w/ 3% KCl + 10% bentonite	180 / 51	15%	11.0	3.53
Surface Tail	12 1/4	500'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	190 / 154	15%	15.8	1.17
Intermediate Lead	8 3/4	5,807'	Premium Lite II w/ 3% KCl + 10% bentonite	1004 / 284	15%	11.0	3.53
Intermediate Tail	8 3/4	1,881'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	325 / 262	15%	14.3	1.24
Production Tail	6 1/8	2,542'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	275 / 222	15%	14.3	1.24

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

Actual cement volumes for the intermediate and production casing strings will be calculated from an open hole caliper log, plus 15% excess.

6. Type and Characteristics of Proposed Circulating Medium

Interval	Description
Surface - 1,000'	An air and/or fresh water system will be utilized. If an air rig is used, the blooie line discharge may be less than 100' from the wellbore in order to minimize location size. The blooie line is not equipped with an automatic igniter. The air compressor may be located less than 100' from the well bore due to the low possibility of combustion with the air/dust mixture. Water will be on location to be used as kill fluid, if necessary.
1,000' - TD	A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite.

RECEIVED: May 15, 2012

Anticipated maximum mud weight is 11.5 ppg.

7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from TD to the base of the surface casing. A compensated neutron/formation density log will be run from TD to the top of the Garden Gulch formation. A cement bond log will be run from PBTD to the cement top behind the production casing.

Cores: As deemed necessary.

DST: There are no DST's planned for this well.

8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.57 psi/ft gradient.

11,000' x 0.57 psi/ft = 6292 psi

No abnormal temperature is expected. No H_2S is expected.

9. Other Aspects

This is planned as a "S" shaped directional well. See attached directional plan.

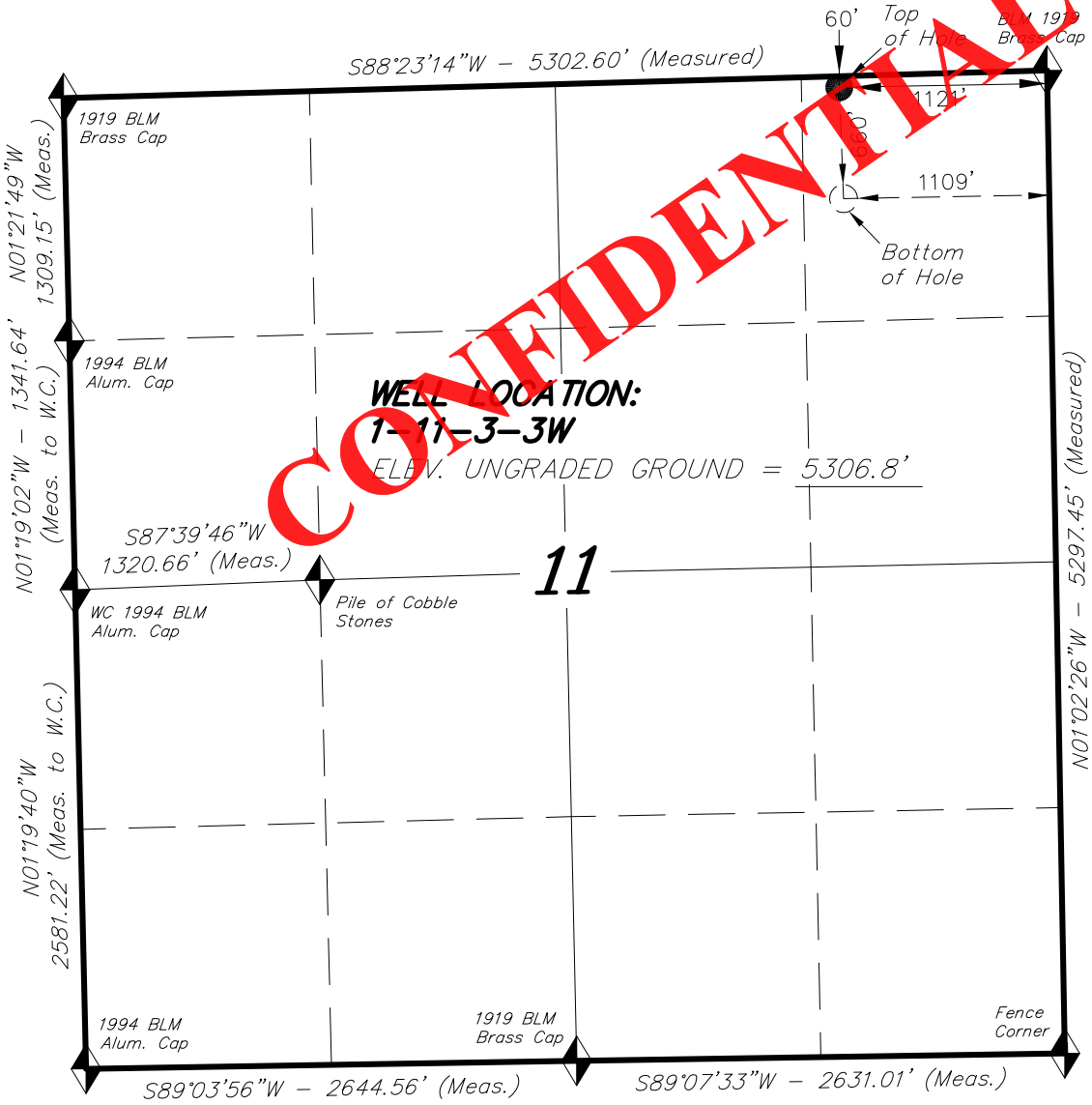
Newfield requests the following variances from Onshore Order #2:
- Variance from Onshoer Order #2, III.E.1
  Refer to Newfield Production Company Standard Operating Practices "Ute Tribal Green River Development Program" paragraph 9.0

RECEIVED: May 15, 2012

API Well Number: 43013514120000

T3S, R3W, U.S.B.&M.

NEWFIELD EXPLORATION COMPANY



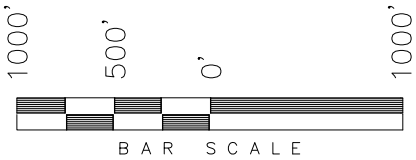
CONFIDENTIAL

= SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

WELL LOCATION, 1-11-3-3W, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 11, T3S, R3W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 1-11-3-3W, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 11, T3S, R3W, U.S.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Bottom of Hole bears S02°10'48"E 599.97' from the Top of Hole.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No.189377 05-11-12 STACY W. STEWART REGISTERED LAND SURVEYOR REGISTRATION No. [illegible] STATE OF UTAH

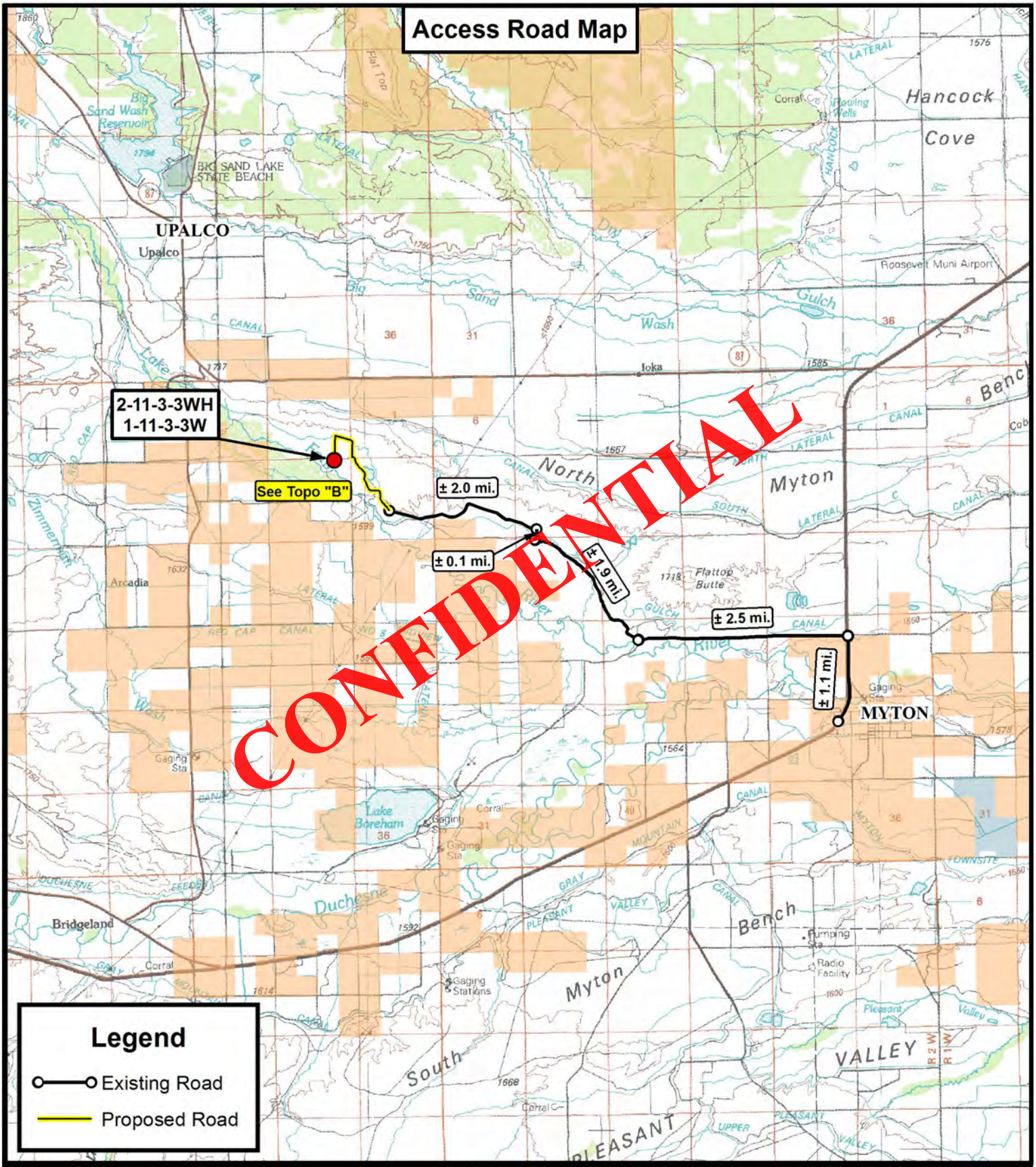
1-11-3-3W
(Surface Location) NAD 83
LATITUDE = 40° 14' 36.89"
LONGITUDE = 110° 11' 04.75"

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 04-17-12	SURVEYED BY: S.H.	VERSION:
DATE DRAWN: 12-14-11	DRAWN BY: R.B.T.	V9
REVISED: 05-11-12 R.B.T.	SCALE: 1" = 1000'	

RECEIVED: May 15, 2012

API Well Number: 43013514120000



Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY
2-11-3-3WH
1-11-3-3W
SEC. 11, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

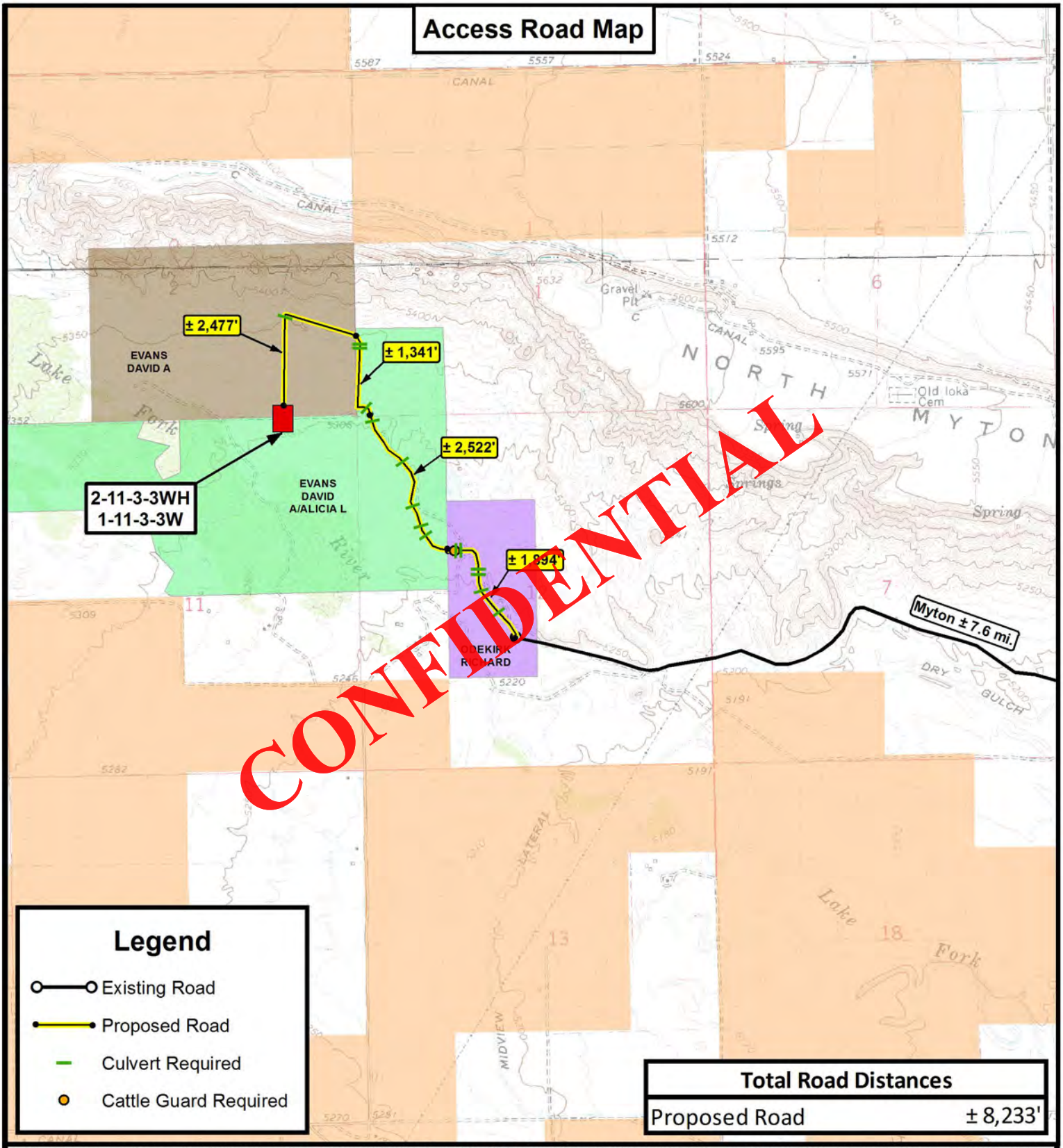
DRAWN BY:	A.P.C.	REVISED:	05-11-12 D.C.R.	VERSION:
DATE:	12-14-11			V9
SCALE:	1:100,000			

TOPOGRAPHIC MAP

SHEET A

API Well Number: 43013514120000

Access Road Map



Legend

- Existing Road
- Proposed Road
- Culvert Required
- Cattle Guard Required

Total Road Distances	
Proposed Road	± 8,233'

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY
2-11-3-3WH
1-11-3-3W
SEC. 11, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

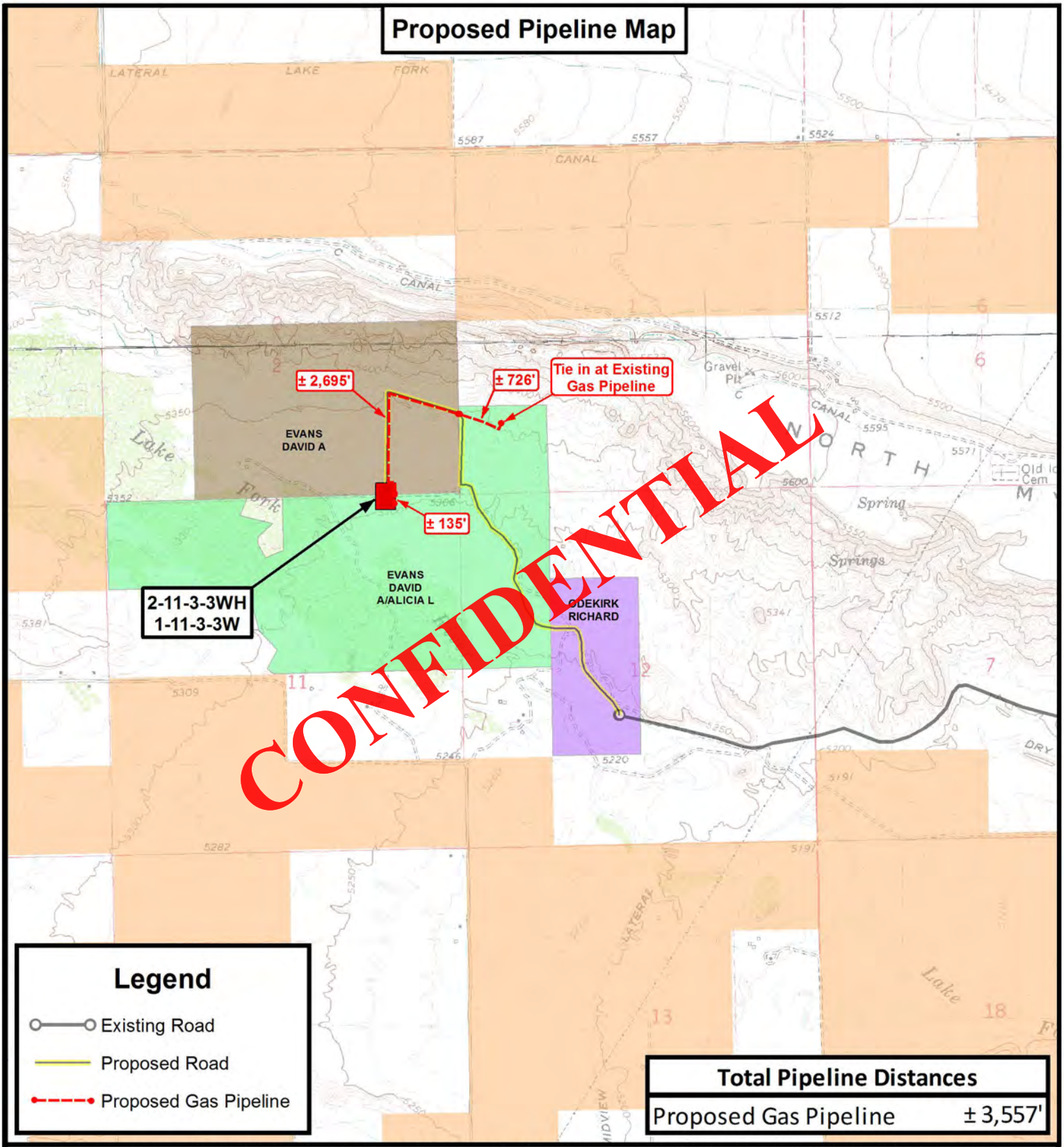
DRAWN BY:	A.P.C.	REVISED:	05-11-12 D.C.R.	VERSION:
DATE:	12-14-2011			V9
SCALE:	1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET B

API Well Number: 43013514120000

Proposed Pipeline Map



Legend

- Existing Road
- Proposed Road
- Proposed Gas Pipeline

Total Pipeline Distances	
Proposed Gas Pipeline	± 3,557'

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY
2-11-3-3WH
1-11-3-3W
SEC. 11, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

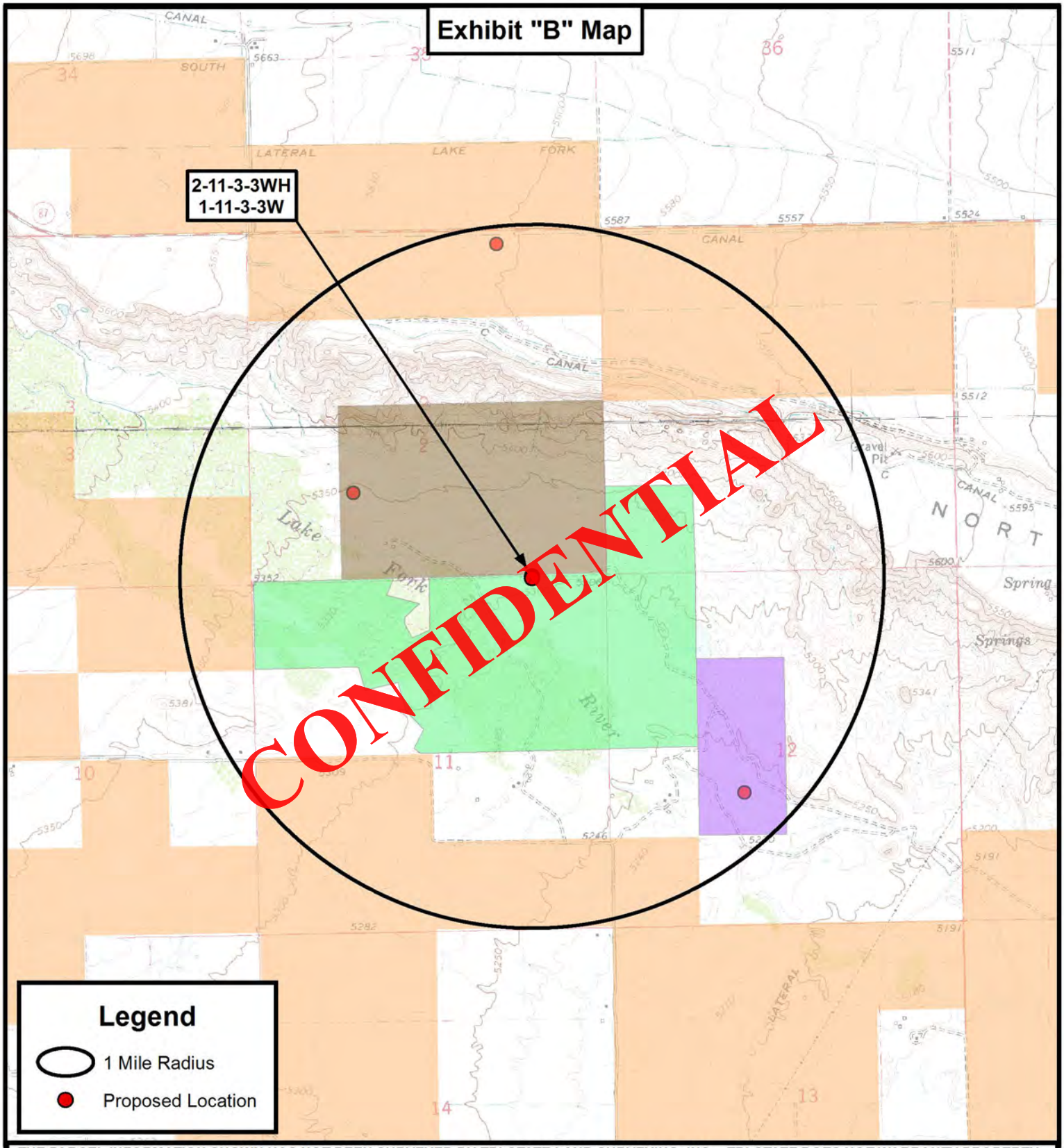
DRAWN BY:	A.P.C.	REVISED:	05-11-12 D.C.R.	VERSION:
DATE:	12-14-2011			V9
SCALE:	1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET C

API Well Number: 43013514120000

Exhibit "B" Map



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY
2-11-3-3WH
1-11-3-3W
SEC. 11, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

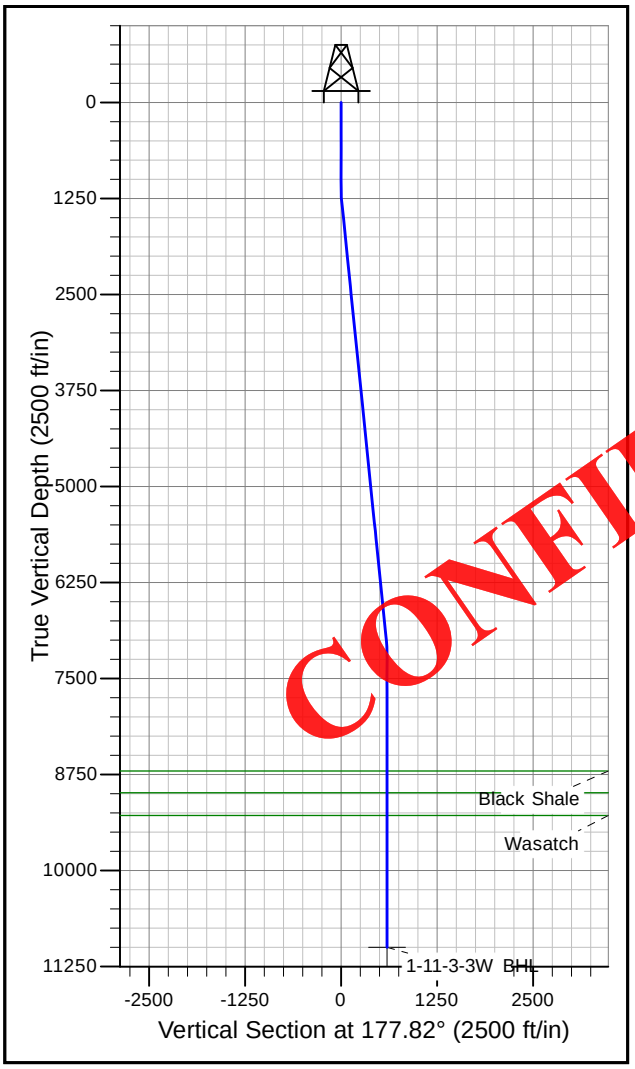
DRAWN BY:	A.P.C.	REVISED:	05-11-12 D.C.R.	VERSION:	TOPOGRAPHIC MAP
DATE:	12-14-2011			V9	SHEET D
SCALE:	1 " = 2,000 '				

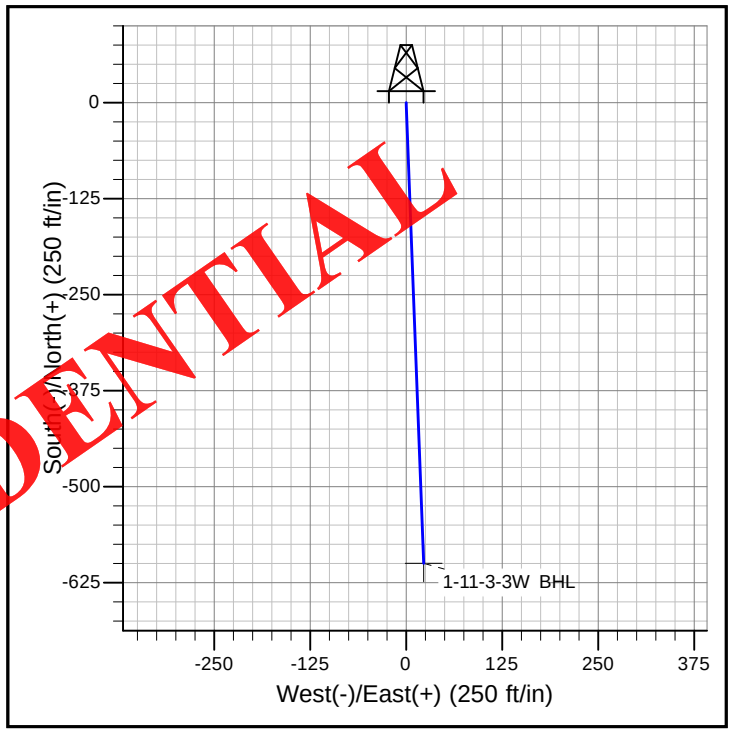
Newfield Production Company

Project:	**Uinta Basin**
Site:	**Lusty 1-11-3-3W**
Well:	**Lusty 1-11-3-3W**
Wellbore:	**Wellbore #1**
Design:	**Design #1**

All Azimuths to True North
Magnetic North: 11.26°

Magnetic Field
Strength: 52316.6snT
Dip Angle: 65.92°
Date: 5/5/2012
Model: IGRF200510





PROJECT DETAILS: Uinta Basin

Geodetic System:	**US State Plane 1983**
Datum:	**North American Datum 1983**
Ellipsoid:	**GRS 1980**
Zone:	**Utah Central Zone**
System Datum:	**Mean Sea Level**

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1100.0	0.00	0.00	1100.0	0.0	0.0	0.00	0.00	0.0	
3	1293.3	5.80	177.82	1293.0	-9.8	0.4	3.00	177.82	9.8	
4	7036.7	5.80	177.82	7007.0	-589.8	22.5	0.00	0.00	590.2	
5	7230.1	0.00	0.00	7200.0	-599.5	22.8	3.00	180.00	600.0	
6	11030.1	0.00	0.00	11000.0	-599.5	22.8	0.00	0.00	600.0	1-11-3-3W BHL

RECEIVED: May 15, 2012

Newfield Production Company

Uinta Basin
Lusty 1-11-3-3W
Lusty 1-11-3-3W

Wellbore #1

Plan: Design #1

Standard Planning Report

14 May, 2012

RECEIVED: May 15, 2012

Newfield Exploration

Planning Report

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Site Lusty 1-11-3-3W
Company:	Newfield Production Company	**TVD Reference:**	RKB @ 5326.0ft
Project:	Uinta Basin	**MD Reference:**	RKB @ 5326.0ft
Site:	Lusty 1-11-3-3W	**North Reference:**	True
Well:	Lusty 1-11-3-3W	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project Uinta Basin

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site Lusty 1-11-3-3W

Site Position:		**Northing:**	2,212,907.54 m	**Latitude:**	40° 14' 37.190 N
From:	Lat/Long	**Easting:**	611,909.80 m	**Longitude:**	110° 11' 4.750 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	0.000 in	**Grid Convergence:**	0.84 °

Well Lusty 1-11-3-3W

Well Position	**+N/-S**	0.0 ft	**Northing:**	2,212,907.54 m	**Latitude:**	40° 14' 37.190 N
	+E/-W	0.0 ft	**Easting:**	611,909.80 m	**Longitude:**	110° 11' 4.750 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**		**Ground Level:**	5,308.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	5/5/2012	11.26	65.92	52,317

Design Design #1

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	177.82

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,293.3	5.80	177.82	1,293.0	-9.8	0.4	3.00	3.00	0.00	177.82	
7,036.7	5.80	177.82	7,007.0	-589.8	22.5	0.00	0.00	0.00	0.00	
7,230.1	0.00	0.00	7,200.0	-599.5	22.8	3.00	-3.00	0.00	180.00	
11,030.1	0.00	0.00	11,000.0	-599.5	22.8	0.00	0.00	0.00	0.00	1-11-3-3W BHL

Newfield Exploration

Planning Report

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Site Lusty 1-11-3-3W
Company:	Newfield Production Company	**TVD Reference:**	RKB @ 5326.0ft
Project:	Uinta Basin	**MD Reference:**	RKB @ 5326.0ft
Site:	Lusty 1-11-3-3W	**North Reference:**	True
Well:	Lusty 1-11-3-3W	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	3.00	177.82	1,200.0	-2.6	0.1	2.6	3.00	3.00	0.00
1,293.3	5.80	177.82	1,293.0	-9.8	0.4	9.8	3.00	3.00	0.00
1,300.0	5.80	177.82	1,299.6	-10.4	0.4	10.5	0.00	0.00	0.00
1,400.0	5.80	177.82	1,399.1	-20.5	0.8	20.6	0.00	0.00	0.00
1,500.0	5.80	177.82	1,498.6	-30.6	1.2	30.7	0.00	0.00	0.00
1,600.0	5.80	177.82	1,598.1	-40.7	1.6	40.8	0.00	0.00	0.00
1,700.0	5.80	177.82	1,697.6	-50.8	1.9	50.9	0.00	0.00	0.00
1,800.0	5.80	177.82	1,797.1	-60.9	2.3	61.0	0.00	0.00	0.00
1,900.0	5.80	177.82	1,896.6	-71.0	2.7	71.1	0.00	0.00	0.00
2,000.0	5.80	177.82	1,996.1	-81.1	3.1	81.2	0.00	0.00	0.00
2,100.0	5.80	177.82	2,095.5	-91.2	3.5	91.3	0.00	0.00	0.00
2,200.0	5.80	177.82	2,195.0	-101.3	3.9	101.4	0.00	0.00	0.00
2,300.0	5.80	177.82	2,294.5	-111.4	4.2	111.5	0.00	0.00	0.00
2,400.0	5.80	177.82	2,394.0	-121.5	4.6	121.6	0.00	0.00	0.00
2,500.0	5.80	177.82	2,493.5	-131.6	5.0	131.7	0.00	0.00	0.00
2,600.0	5.80	177.82	2,593.0	-141.7	5.4	141.8	0.00	0.00	0.00
2,700.0	5.80	177.82	2,692.5	-151.8	5.8	151.9	0.00	0.00	0.00
2,800.0	5.80	177.82	2,792.0	-161.9	6.2	162.0	0.00	0.00	0.00
2,900.0	5.80	177.82	2,891.4	-172.0	6.5	172.1	0.00	0.00	0.00
3,000.0	5.80	177.82	2,990.9	-182.1	6.9	182.2	0.00	0.00	0.00
3,100.0	5.80	177.82	3,090.4	-192.2	7.3	192.4	0.00	0.00	0.00
3,200.0	5.80	177.82	3,189.9	-202.3	7.7	202.5	0.00	0.00	0.00
3,300.0	5.80	177.82	3,289.4	-212.4	8.1	212.6	0.00	0.00	0.00
3,400.0	5.80	177.82	3,388.9	-222.5	8.5	222.7	0.00	0.00	0.00
3,500.0	5.80	177.82	3,488.4	-232.6	8.9	232.8	0.00	0.00	0.00
3,600.0	5.80	177.82	3,587.9	-242.7	9.2	242.9	0.00	0.00	0.00
3,700.0	5.80	177.82	3,687.3	-252.8	9.6	253.0	0.00	0.00	0.00
3,800.0	5.80	177.82	3,786.8	-262.9	10.0	263.1	0.00	0.00	0.00
3,900.0	5.80	177.82	3,886.3	-273.0	10.4	273.2	0.00	0.00	0.00
4,000.0	5.80	177.82	3,985.8	-283.1	10.8	283.3	0.00	0.00	0.00
4,100.0	5.80	177.82	4,085.3	-293.2	11.2	293.4	0.00	0.00	0.00
4,200.0	5.80	177.82	4,184.8	-303.3	11.5	303.5	0.00	0.00	0.00
4,300.0	5.80	177.82	4,284.3	-313.4	11.9	313.6	0.00	0.00	0.00
4,400.0	5.80	177.82	4,383.8	-323.5	12.3	323.7	0.00	0.00	0.00
4,500.0	5.80	177.82	4,483.3	-333.6	12.7	333.8	0.00	0.00	0.00
4,600.0	5.80	177.82	4,582.7	-343.7	13.1	343.9	0.00	0.00	0.00
4,700.0	5.80	177.82	4,682.2	-353.8	13.5	354.0	0.00	0.00	0.00
4,800.0	5.80	177.82	4,781.7	-363.9	13.9	364.2	0.00	0.00	0.00
4,900.0	5.80	177.82	4,881.2	-374.0	14.2	374.3	0.00	0.00	0.00
5,000.0	5.80	177.82	4,980.7	-384.1	14.6	384.4	0.00	0.00	0.00
5,100.0	5.80	177.82	5,080.2	-394.2	15.0	394.5	0.00	0.00	0.00
5,200.0	5.80	177.82	5,179.7	-404.3	15.4	404.6	0.00	0.00	0.00

Newfield Exploration

Planning Report

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Site Lusty 1-11-3-3W
Company:	Newfield Production Company	**TVD Reference:**	RKB @ 5326.0ft
Project:	Uinta Basin	**MD Reference:**	RKB @ 5326.0ft
Site:	Lusty 1-11-3-3W	**North Reference:**	True
Well:	Lusty 1-11-3-3W	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.0	5.80	177.82	5,279.2	-414.4	15.8	414.7	0.00	0.00	0.00
5,400.0	5.80	177.82	5,378.6	-424.5	16.2	424.8	0.00	0.00	0.00
5,500.0	5.80	177.82	5,478.1	-434.6	16.5	434.9	0.00	0.00	0.00
5,600.0	5.80	177.82	5,577.6	-444.7	16.9	445.0	0.00	0.00	0.00
5,700.0	5.80	177.82	5,677.1	-454.8	17.3	455.1	0.00	0.00	0.00
5,800.0	5.80	177.82	5,776.6	-464.9	17.7	465.2	0.00	0.00	0.00
5,900.0	5.80	177.82	5,876.1	-475.0	18.1	475.3	0.00	0.00	0.00
6,000.0	5.80	177.82	5,975.6	-485.1	18.5	485.4	0.00	0.00	0.00
6,100.0	5.80	177.82	6,075.1	-495.2	18.8	495.5	0.00	0.00	0.00
6,200.0	5.80	177.82	6,174.6	-505.3	19.2	505.6	0.00	0.00	0.00
6,300.0	5.80	177.82	6,274.0	-515.4	19.6	515.7	0.00	0.00	0.00
6,400.0	5.80	177.82	6,373.5	-525.5	20.0	525.8	0.00	0.00	0.00
6,500.0	5.80	177.82	6,473.0	-535.6	20.4	536.0	0.00	0.00	0.00
6,600.0	5.80	177.82	6,572.5	-545.7	20.8	546.1	0.00	0.00	0.00
6,700.0	5.80	177.82	6,672.0	-555.8	21.2	556.2	0.00	0.00	0.00
6,800.0	5.80	177.82	6,771.5	-565.9	21.5	566.3	0.00	0.00	0.00
6,900.0	5.80	177.82	6,871.0	-576.0	21.9	576.4	0.00	0.00	0.00
7,000.0	5.80	177.82	6,970.5	-586.1	22.3	586.5	0.00	0.00	0.00
7,036.7	5.80	177.82	7,007.0	-589.8	22.5	590.2	0.00	0.00	0.00
7,100.0	3.90	177.82	7,070.0	-595.1	22.7	595.5	3.00	-3.00	0.00
7,200.0	0.90	177.82	7,169.9	-599.3	22.8	599.7	3.00	-3.00	0.00
7,230.1	0.00	0.00	7,200.0	-599.5	22.8	600.0	3.00	-3.00	0.00
7,300.0	0.00	0.00	7,269.9	-599.5	22.8	600.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,369.9	-599.5	22.8	600.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,469.9	-599.5	22.8	600.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,569.9	-599.5	22.8	600.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,669.9	-599.5	22.8	600.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,769.9	-599.5	22.8	600.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,869.9	-599.5	22.8	600.0	0.00	0.00	0.00
8,000.0	0.00	0.00	7,969.9	-599.5	22.8	600.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,069.9	-599.5	22.8	600.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,169.9	-599.5	22.8	600.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,269.9	-599.5	22.8	600.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,369.9	-599.5	22.8	600.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,469.9	-599.5	22.8	600.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,569.9	-599.5	22.8	600.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,669.9	-599.5	22.8	600.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,769.9	-599.5	22.8	600.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,869.9	-599.5	22.8	600.0	0.00	0.00	0.00
9,000.0	0.00	0.00	8,969.9	-599.5	22.8	600.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,069.9	-599.5	22.8	600.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,169.9	-599.5	22.8	600.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,269.9	-599.5	22.8	600.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,369.9	-599.5	22.8	600.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,469.9	-599.5	22.8	600.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,569.9	-599.5	22.8	600.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,669.9	-599.5	22.8	600.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,769.9	-599.5	22.8	600.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,869.9	-599.5	22.8	600.0	0.00	0.00	0.00
10,000.0	0.00	0.00	9,969.9	-599.5	22.8	600.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,069.9	-599.5	22.8	600.0	0.00	0.00	0.00
10,200.0	0.00	0.00	10,169.9	-599.5	22.8	600.0	0.00	0.00	0.00
10,300.0	0.00	0.00	10,269.9	-599.5	22.8	600.0	0.00	0.00	0.00
10,400.0	0.00	0.00	10,369.9	-599.5	22.8	600.0	0.00	0.00	0.00

RECEIVED: May 15, 2012

Newfield Exploration

Planning Report

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Site Lusty 1-11-3-3W
Company:	Newfield Production Company	**TVD Reference:**	RKB @ 5326.0ft
Project:	Uinta Basin	**MD Reference:**	RKB @ 5326.0ft
Site:	Lusty 1-11-3-3W	**North Reference:**	True
Well:	Lusty 1-11-3-3W	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,500.0	0.00	0.00	10,469.9	-599.5	22.8	600.0	0.00	0.00	0.00
10,600.0	0.00	0.00	10,569.9	-599.5	22.8	600.0	0.00	0.00	0.00
10,700.0	0.00	0.00	10,669.9	-599.5	22.8	600.0	0.00	0.00	0.00
10,800.0	0.00	0.00	10,769.9	-599.5	22.8	600.0	0.00	0.00	0.00
10,900.0	0.00	0.00	10,869.9	-599.5	22.8	600.0	0.00	0.00	0.00
11,000.0	0.00	0.00	10,969.9	-599.5	22.8	600.0	0.00	0.00	0.00
11,030.1	0.00	0.00	11,000.0	-599.5	22.8	600.0	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (m)	Easting (m)	Latitude	Longitude
1-11-3-3W BHL - plan hits target center - Point	0.00	0.00	11,000.0	-599.5	22.8	2,212,724.93	611,919.44	40° 14' 31.265 N	110° 11' 4.456 W

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
8,735.1	8,705.0	Black Shale		0.00	
9,019.1	8,989.0	CP Limes		0.00	
9,316.1	9,286.0	Wasatch		0.00	

RECEIVED: May 15, 2012

AFFIDAVIT OF EASEMENT, RIGHT-OF-WAY AND SURFACE USE AGREEMENT

Greg Boggs personally appeared before me, being duly sworn, deposes and with respect to State of Utah R649-3-34.7 says:

1. My name is Greg Boggs. I am a Landman for Newfield Production Company, whose address is 1001 17th Street, Suite 2000, Denver, CO 80202 ("Newfield").

2. Newfield is the Operator of the proposed Lusty 1-11-3-3WH well with a surface location to be positioned in the NWNENE of Section 11, Township 3 South, Range 3 West, Duchesne County, Utah (the "Drillsite Location") with a bottom hole location in the SESE of Section 11, Township 3 South, Range 3 West, Duchesne County, Utah. The surface owner of the Drillsite Location is David A. Evans and Alicia L. Evans, whose address is HC 64 Box 390, Duchesne, UT 84021 ("Surface Owner").

3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated April 10, 2012 covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.

ACKNOWLEDGEMENT

STATE OF COLORADO §
§
COUNTY OF DENVER §

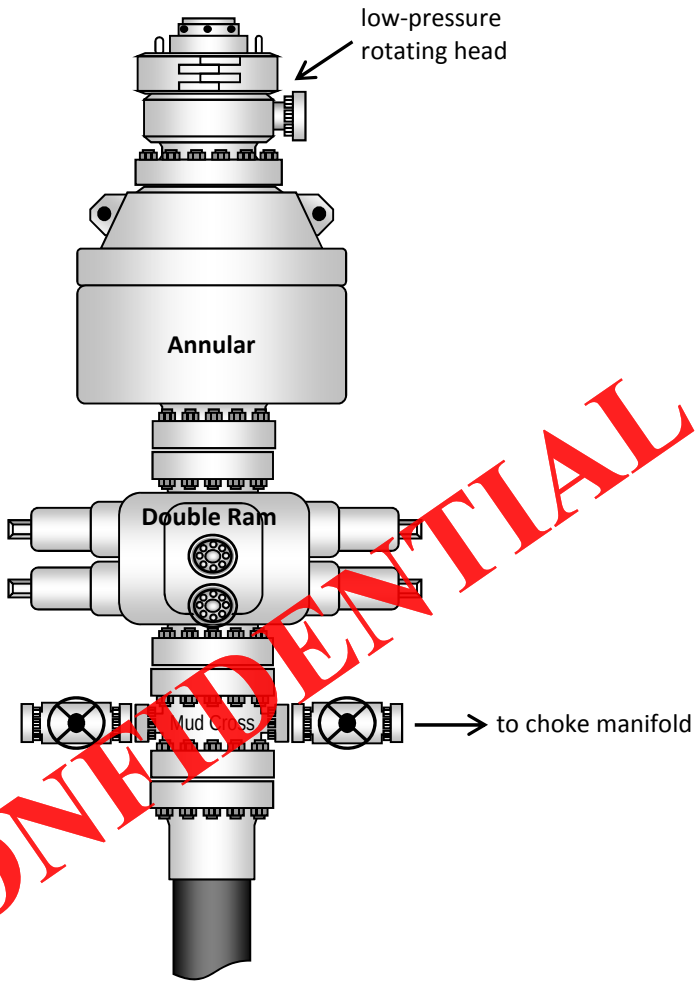
Before me, a Notary Public, in and for the State, on this 12th day of April 2012, personally appeared Greg Boggs, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.

NOTARY PUBLIC

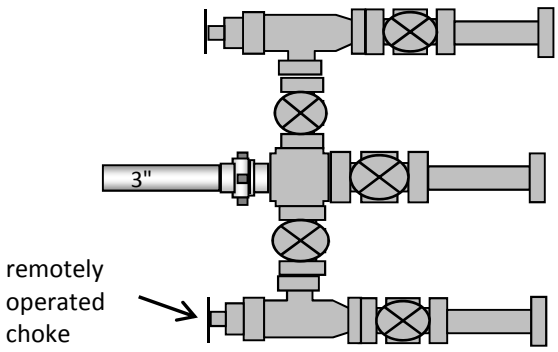
My Commission Expires:

PETER BURNS
NOTARY PUBLIC
STATE OF COLORADO
My Commission Expires 8/09/2015

Typical 5M BOP stack configuration



Typical 5M choke manifold configuration



RECEIVED: May 15, 2012

API Well Number: 43013514120000

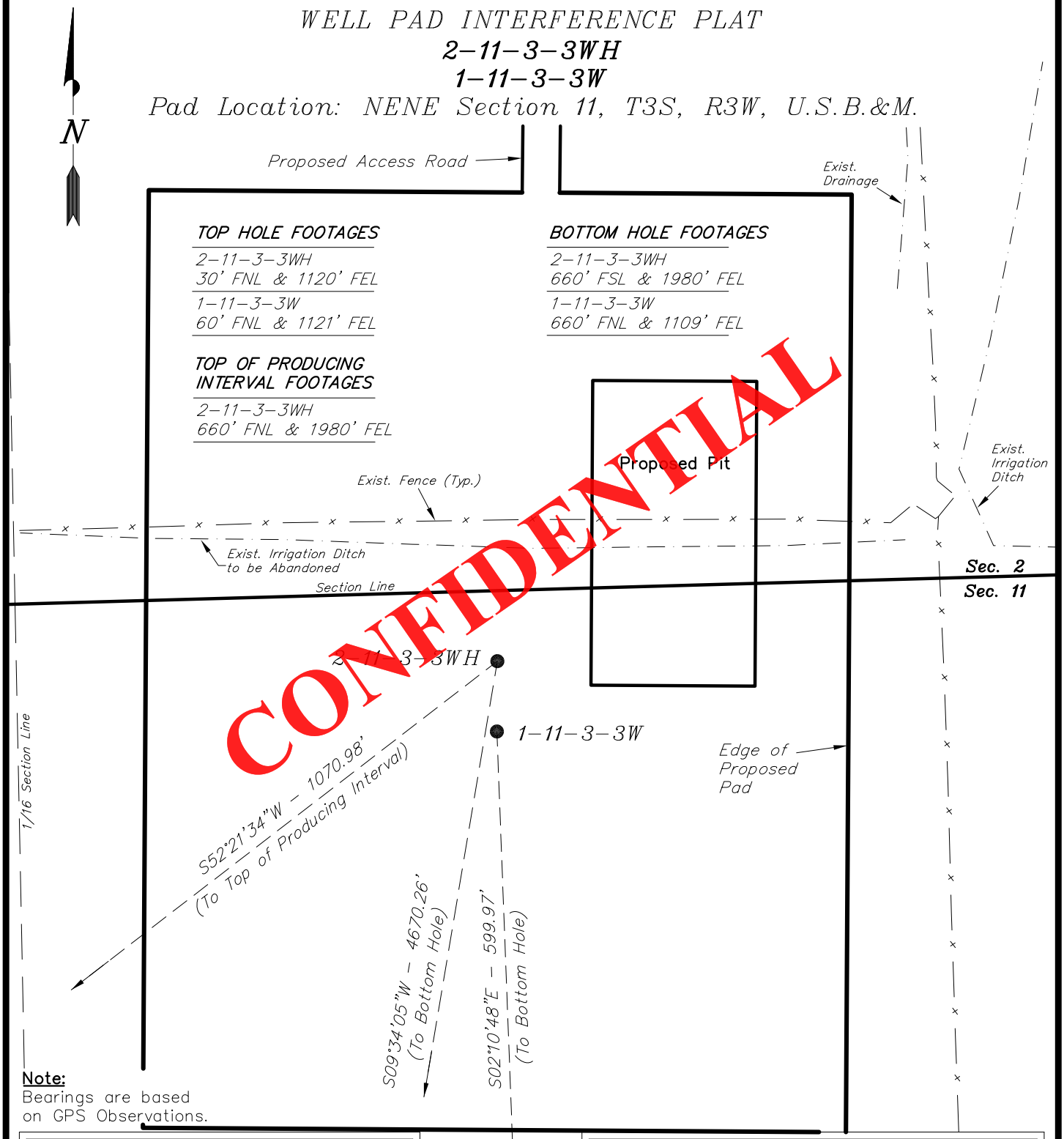
NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

2-11-3-3WH

1-11-3-3W

Pad Location: NENE Section 11, T3S, R3W, U.S.B.&M.



CONFIDENTIAL

Note:
Bearings are based on GPS Observations.

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
2-11-3-3WH	-4,605'	-776'
1-11-3-3W	-600'	23'

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
2-11-3-3WH	40° 14' 37.19"	110° 11' 04.75"
1-11-3-3W	40° 14' 36.89"	110° 11' 04.75"

SURVEYED BY: S.H.	DATE SURVEYED: 04-17-12	VERSION: V9
DRAWN BY: R.B.T.	DATE DRAWN: 12-14-11	
SCALE: 1" = 60'	REVISED: R.B.T. 05-11-12	

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

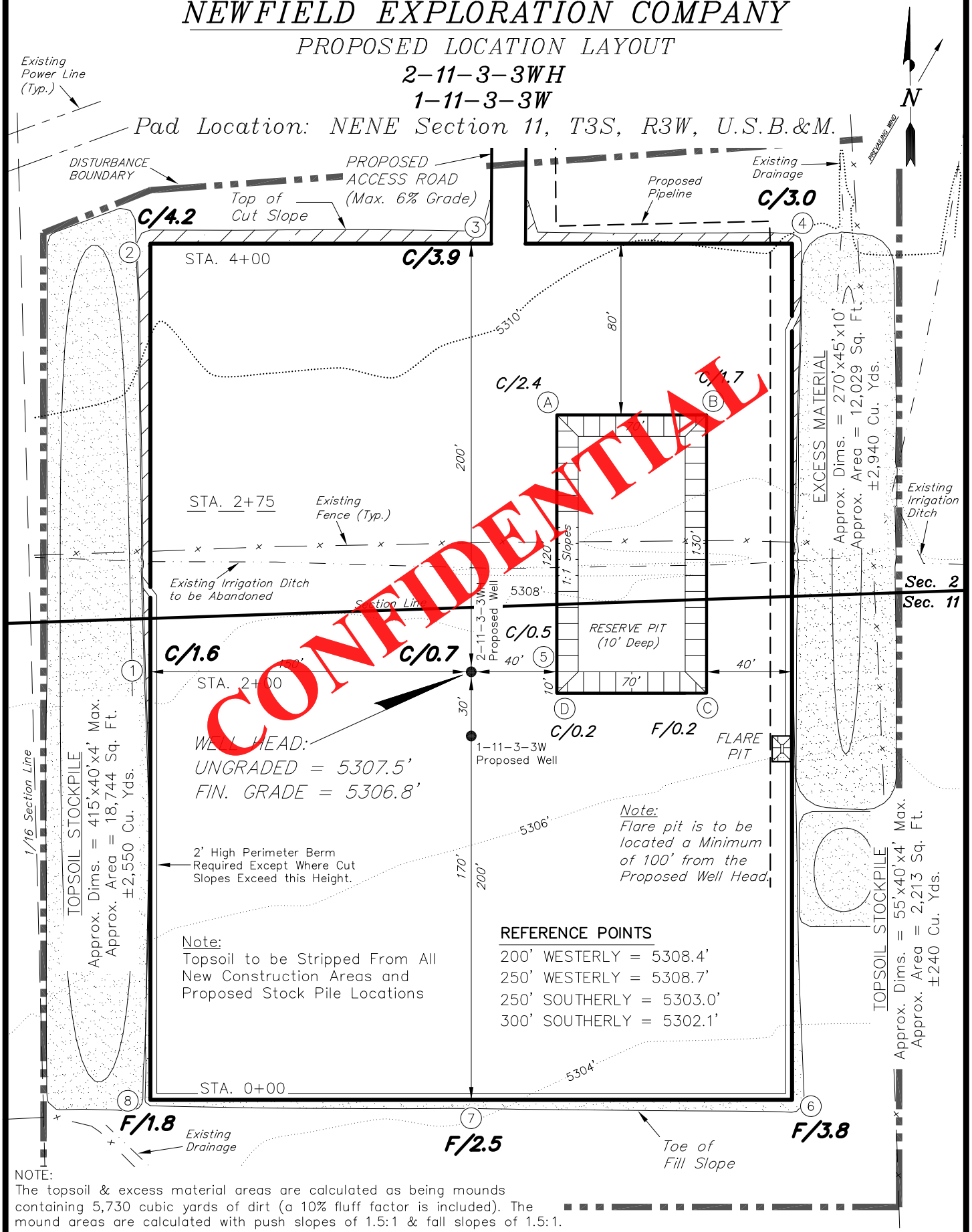
RECEIVED: May 15, 2012

NEWFIELD EXPLORATION COMPANY

PROPOSED LOCATION LAYOUT

2-11-3-3WH
1-11-3-3W

Pad Location: NENE Section 11, T3S, R3W, U.S.B.&M.



NOTE:
The topsoil & excess material areas are calculated as being mounds containing 5,730 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

SURVEYED BY: S.H.	DATE SURVEYED: 04-17-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: R.B.T.	DATE DRAWN: 12-14-11	V9	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: R.B.T. 05-11-12		

RECEIVED: May 15, 2012

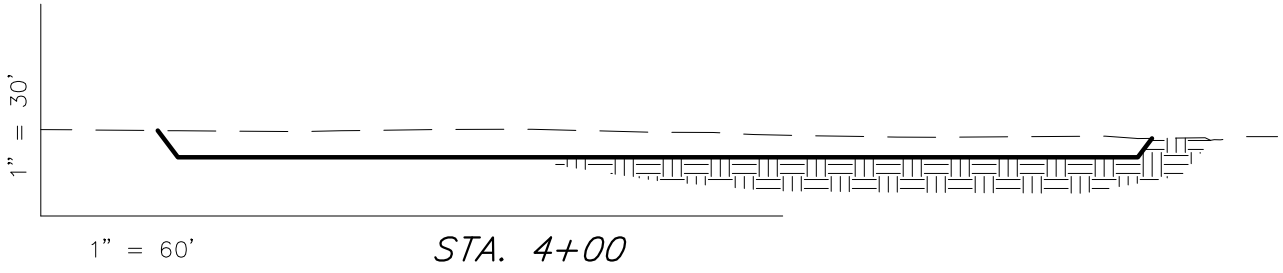
NEWFIELD EXPLORATION COMPANY

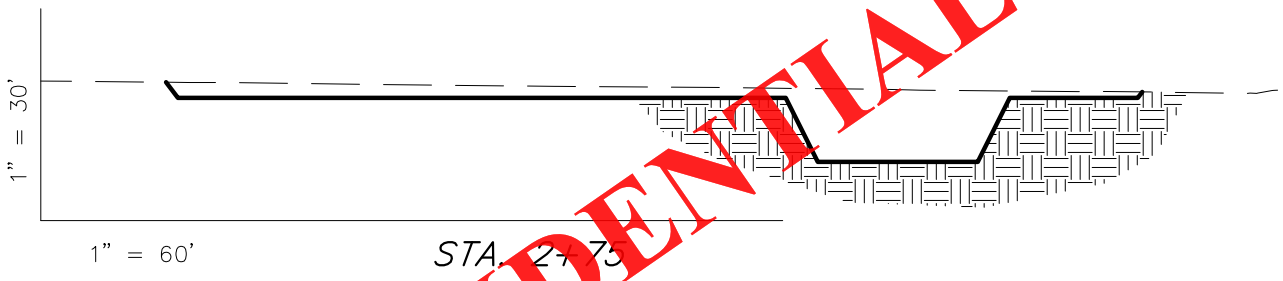
CROSS SECTIONS

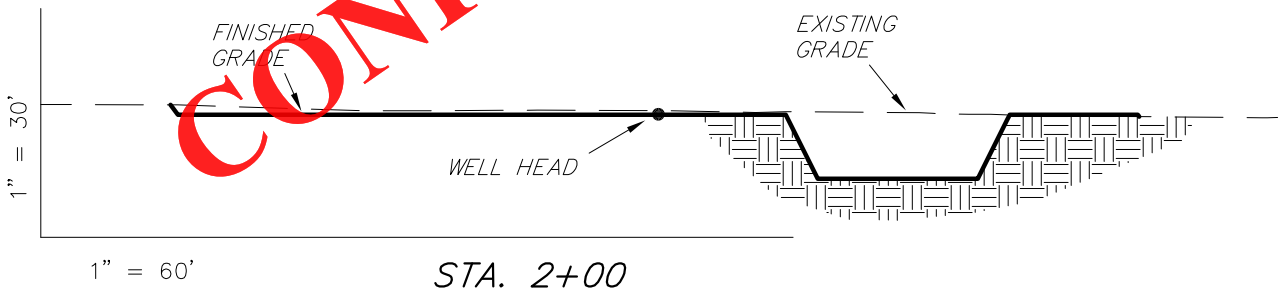
2-11-3-3WH

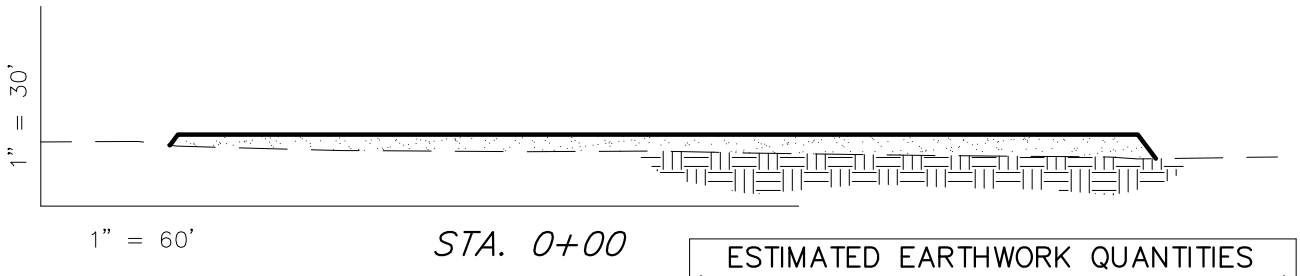
1-11-3-3W

Pad Location: NENE Section 11, T3S, R3W, U.S.B.&M.









ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,830	3,830	Topsoil is not included in Pad Cut Volume	0
PIT	2,670	0		2,670
TOTALS	6,500	3,830	2,540	2,670

NOTE:
UNLESS OTHERWISE NOTED ALL CUT/FILL SLOPES ARE AT 1.5:1

SURVEYED BY: S.H.	DATE SURVEYED: 04-17-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: R.B.T.	DATE DRAWN: 12-14-11	V9	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: R.B.T. 05-11-12		

RECEIVED: May 15, 2012

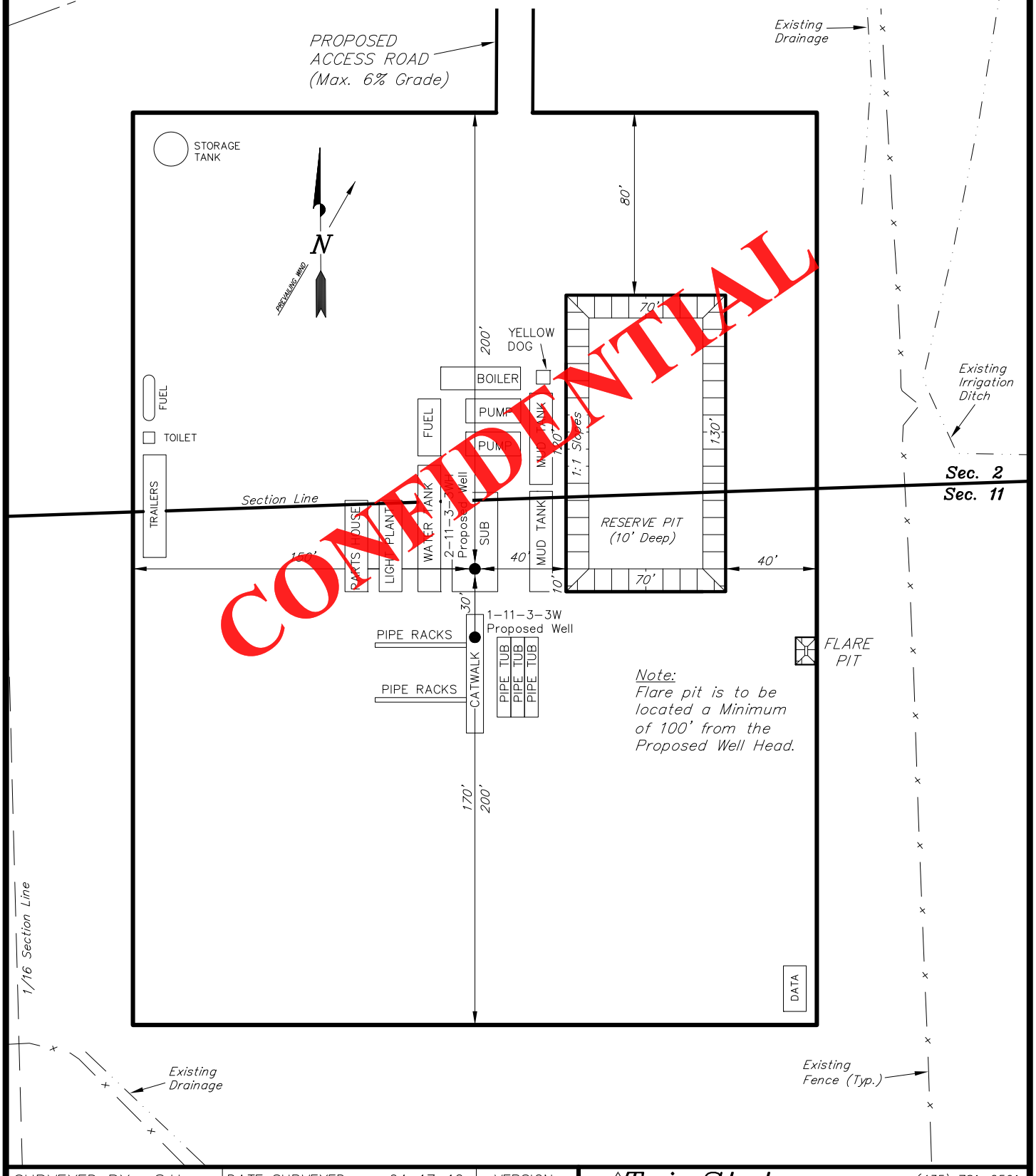
NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

2-11-3-3WH

1-11-3-3W

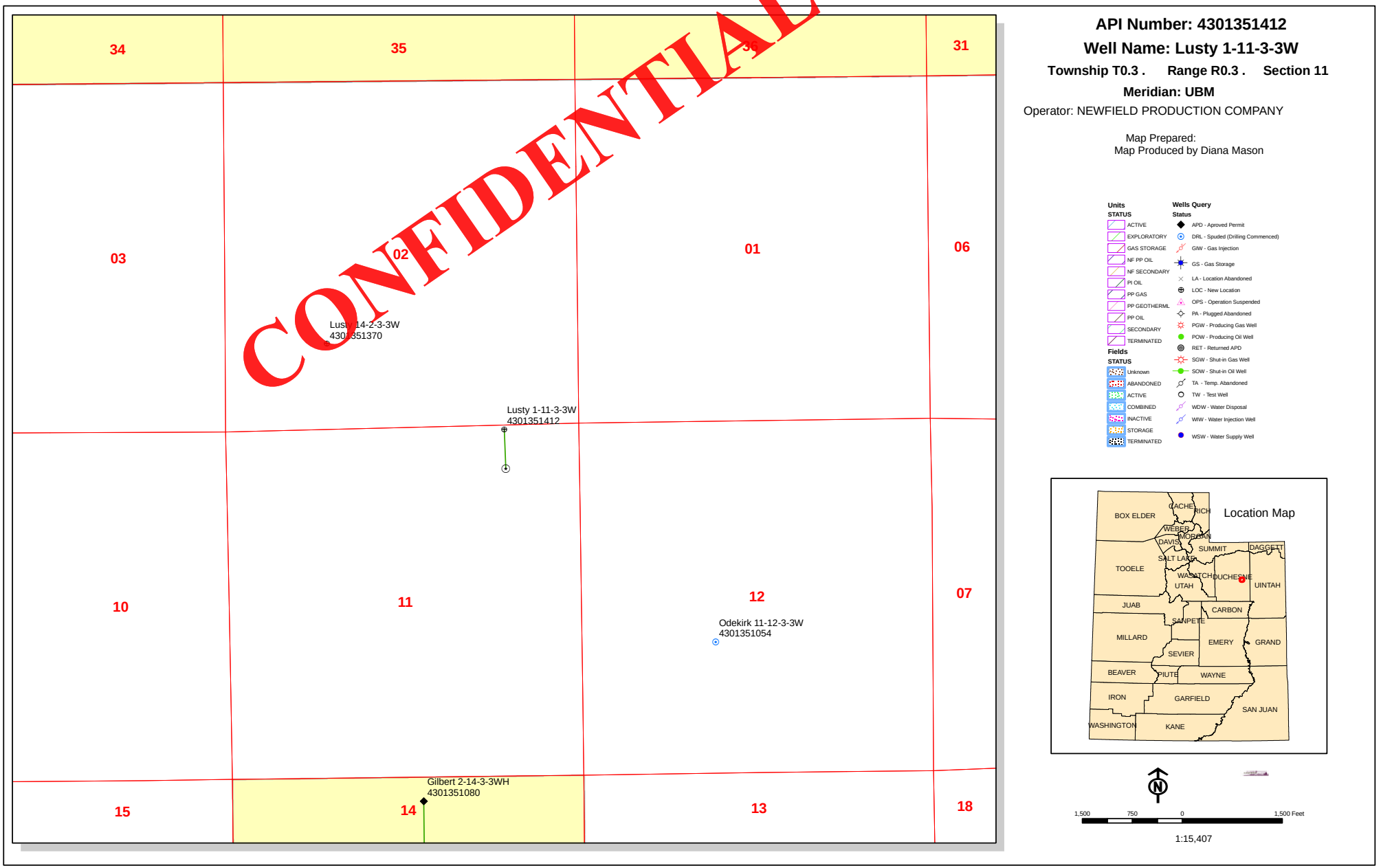
Pad Location: NENE Section 11, T3S, R3W, U.S.B.&M.



SURVEYED BY: S.H.	DATE SURVEYED: 04-17-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: R.B.T.	DATE DRAWN: 12-14-11	V9	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: R.B.T. 05-11-12		

RECEIVED: May 15, 2012

API Well Number: 43013514120000



RECEIVED: May 16, 2012

API Well Number: 43013514120000

BOPE REVIEW NEWFIELD PRODUCTION COMPANY Lusty 1-11-3-3W 43013514120000

Well Name	NEWFIELD PRODUCTION COMPANY Lusty 1-11-3-3W 43013514120			
String	COND	SURF	I1	PROD
Casing Size(")	14.000	9.625	7.000	4.500
Setting Depth (TVD)	60	1000	8688	11030
Previous Shoe Setting Depth (TVD)	0	60	1000	8688
Max Mud Weight (ppg)	8.3	8.3	9.5	11.5
BOPE Proposed (psi)	0	500	5000	5000
Casing Internal Yield (psi)	1000	3520	9950	10690
Operators Max Anticipated Pressure (psi)	6292			11.0

Calculations	COND String	14.000	"	
Max BHP (psi)	.052*Setting Depth*MW=	26		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	19	NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	13	NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	13	NO	
Required Casing/BOPE Test Pressure=		60	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi	*Assumes 1psi/ft frac gradient

Calculations	SURF String	9.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	432		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	312	YES	air drill/diverter
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	212	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	225	NO	OK
Required Casing/BOPE Test Pressure=		1000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		60	psi	*Assumes 1psi/ft frac gradient

Calculations	I1 String	7.000	"	
Max BHP (psi)	.052*Setting Depth*MW=	4292		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3249	YES	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2381	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2601	NO	REasonable
Required Casing/BOPE Test Pressure=		5000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		1000	psi	*Assumes 1psi/ft frac gradient

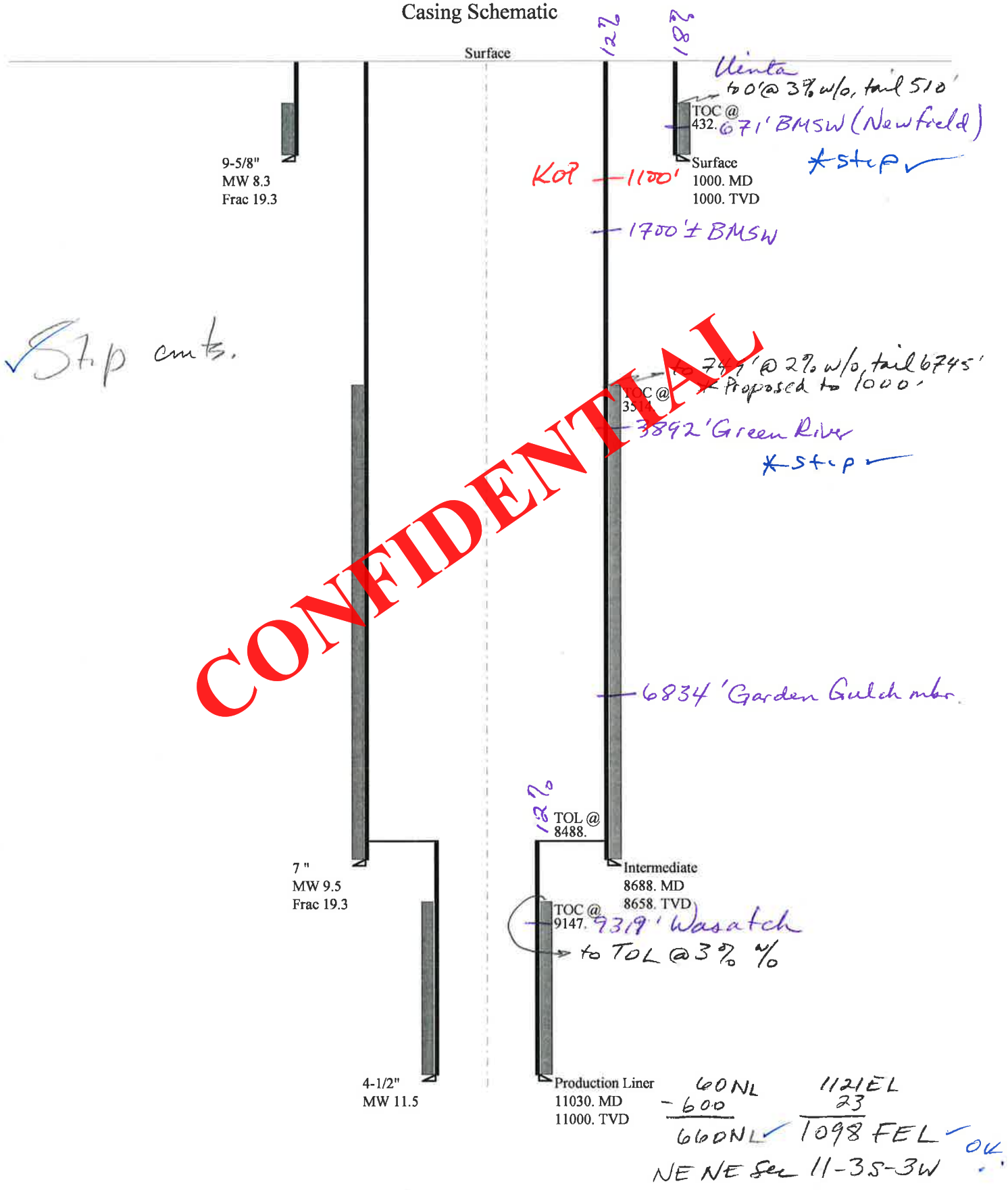
Calculations	PROD String	4.500	"	
Max BHP (psi)	.052*Setting Depth*MW=	6596		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	5272	NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	4169	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	6081	YES	
Required Casing/BOPE Test Pressure=		5000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		8688	psi	*Assumes 1psi/ft frac gradient

RECEIVED: July 19, 2012

API Well Number: 43013514120000

43013514120000 Lusty 1-11-3-3W

Casing Schematic



Well name:	**43013514120000 Lusty 1-11-3-3W**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Surface
Project ID:	43-013-51412
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 880 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 1,000 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 877 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 88 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 432 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 8,658 ft
Next mud weight: 9.500 ppg
Next setting BHP: 4,273 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,000 ft
Injection pressure: 1,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	1000	9.625	36.00	J-55	LT&C	1000	1000	8.796	8177

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	433	2020	4.669	1000	3520	3.52	36	453	12.58 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: July 18,2012
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 1000 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

API Well Number: 43013514120000

Well name:	43013514120000 Lusty 1-11-3-3W
Operator:	NEWFIELD PRODUCTION COMPANY
String type:	Intermediate
Project ID:	43-013-51412
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 9.500 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 4,151 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 6,056 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.80 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 7,447 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 195 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 3,514 ft

Directional Info - Build & Drop
Kick-off point 1100 ft
Departure at shoe: 600 ft
Maximum dogleg: 3 °/100ft
Inclination at shoe: 0 °

Re subsequent strings:
Next setting depth: 11,000 ft
Next mud weight: 11.500 ppg
Next setting BHP: 6,571 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 8,658 ft
Injection pressure: 8,658 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	8688	7	26.00	P-110	LT&C	8658	8688	6.151	90312

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	4273	6230	1.458	6056	9950	1.64	225.1	693	3.08 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: July 18,2012
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 8658 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**43013514120000 Lusty 1-11-3-3W**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Production Liner
Project ID:	43-013-51412
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 11.500 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 4,151 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 6,571 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 10,595 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 228 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 9,147 ft

Liner top: 8,488 ft
Directional Info - Build & Drop
Kick-off point 1100 ft
Departure at shoe: 600 ft
Maximum dogleg: 0 °/100ft
Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	2530	4.5	11.60	P-110	LT&C	11000	11030	3.875	12190

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	6571	7580	1.153	6571	10690	1.63	29.3	279	9.51 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: July 18,2012
Salt Lake City, Utah

Remarks:
For this liner string, the top is rounded to the nearest 100 ft.Collapse is based on a vertical depth of 11000 ft, a mud weight of 11.5 ppg The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

NEWFIELD
ROCKY MOUNTAINS

July 25, 2012

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
Lusty 1-11-3-3W

Surface Hole: T3S-R3W Section 11: NENE
60' FNL 1121' FEL

At Target: T3S-R3W Section 11: NENE
660' FNL 1109' FEL

Duchesne County, Utah

Dear Ms. Mason:

In conjunction with the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill the captioned well.

Newfield has selected the surface location in order mitigate impact on the surface by utilizing a common well pad for the drilling of the captioned well and Lusty 2-11-3-3W well.

Please be aware that NPC and its partners are the owners of 100% of the leasehold interest within a radius of 460' from all points along the intended wellbore, and it is NPC's intent that no portion of the productive interval will be completed in the portions of the wellbore existing nearer than 660' FNL of Section 11, T3S-R3W.

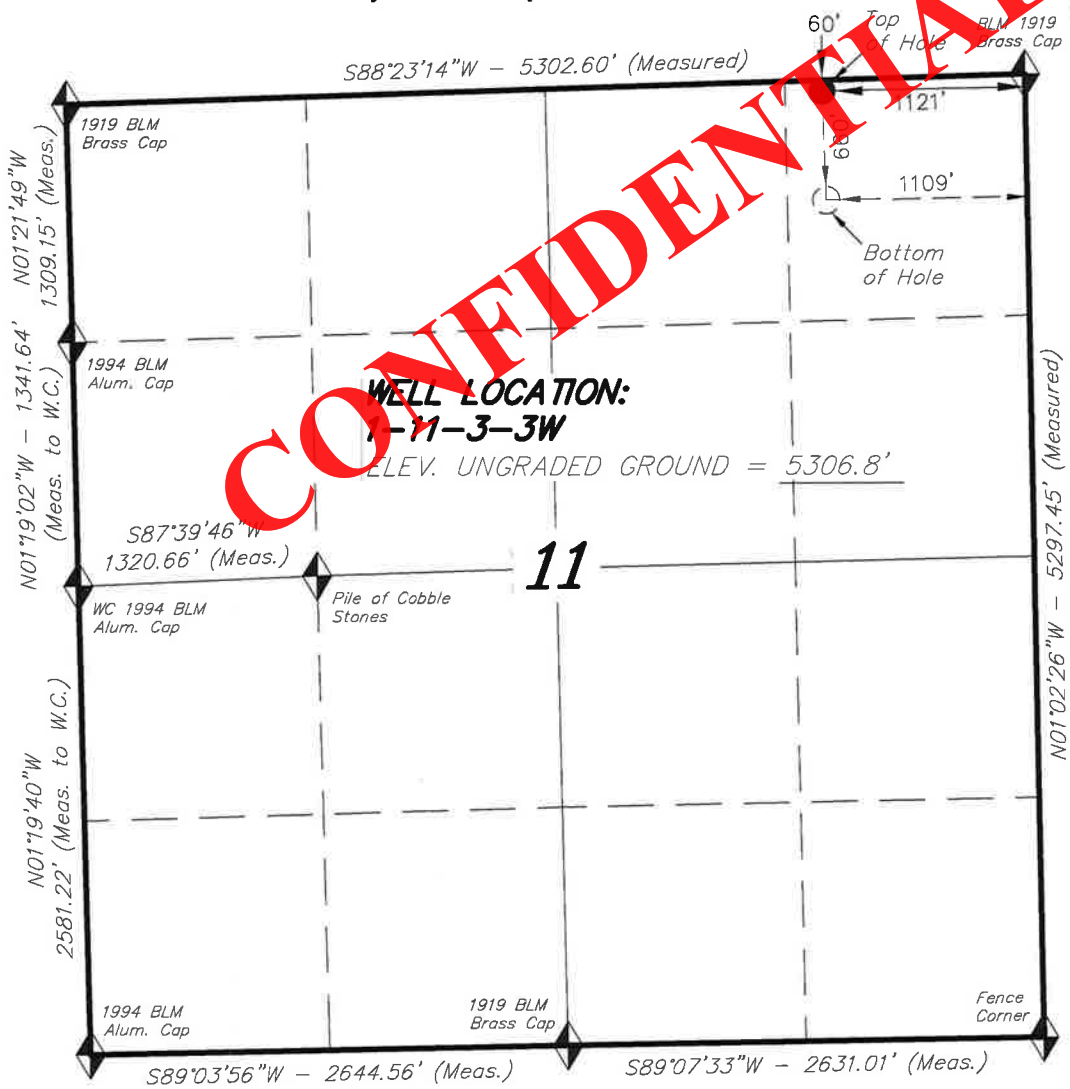
NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4197 or by email at sgillespie@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

Shane Gillespie
Landman

T3S, R3W, U.S.B.&M.

NEWFIELD EXPLORATION COMPANY



CONFIDENTIAL

WELL LOCATION, 1-11-3-3W, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 11, T3S, R3W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 1-11-3-3W, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 11, T3S, R3W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

1000' 500' 0' 1000'

BAR SCALE

N

NOTES:

1. *Well footages are measured at right angles to the Section Lines.*
2. *Bearings are based on Global Positioning Satellite observations.*
3. *The Bottom of Hole bears S02°10'48"E 599.97' from the Top of Hole.*

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
No. 189377
05-11-12
STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No.
STATE OF UTAH

= SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

1-11-3-3W
(Surface Location) NAD 83
LATITUDE = 40° 14' 36.89"
LONGITUDE = 110° 11' 04.75"

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 04-17-12	SURVEYED BY: S.H.	VERSION:
DATE DRAWN: 12-14-11	DRAWN BY: R.B.T.	V9
REVISED: 05-11-12 R.B.T.	SCALE: 1" = 1000'	

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name Lusty 1-11-3-3W
API Number 43013514120000 **APD No** 5939 **Field/Unit** WILDCAT
Location: 1/4,1/4 NENE **Sec** 11 **Tw** 3.0S **Rng** 3.0W 60 FNL 1121 FEL
GPS Coord (UTM) 569349 4455122 **Surface Owner** David A. Evans & Alicia L. Evans

Participants

T. Eaton, F. Bird, C. Miller, Z. Mc Intyre, J. Henderson– Newfield; C. Jensen,– DOGM ; Dave Evans - Surface owner

Regional/Local Setting & Topography

The proposed action is in the Arcadia area in Duchesne County in a river floodplain below the North Myton bench. The location is bordered on 2 sides by the Lake Fork River. Currently the site is productive farm land in use as summer pasture. The city of Myton can be found approximately 8 miles East with Sand Wash Reservoir 3 miles North. The area is characterized by clayey sandy soils with slopes of < 2% and a high water table surrounded by terracing and benches, both North and South, of several different elevations capped by sandstone cliffs over erodible soils consistent with river floodplain profiles. The occasional Butte can also be found. The immediate area is cris crossed with numerous canals and associated laterals from the Lake Fork and Duchesne Rivers and Lake Boreham. The area has long been used for farming and ranching operations and has recently seen increasing development for petroleum extraction.

Surface Use Plan

Current Surface Use
Agricultural

New Road Miles	Well Pad	Src Const Material	Surface Formation
1.559	**Width** 300 **Length** 400	Offsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands Y

no riparian vegetation or wetland indicator species although in a flood plain

Flora / Fauna

Productive pasture- No or few native plant species

Disturbed soils are not habitat for wild life

Soil Type and Characteristics

silty clays

Erosion Issues N

RECEIVED: August 02, 2012

API Well Number: 43013514120000

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

Paleo Survey Run? N **Paleo Potental Observed?** N **Cultural Survey Run?** N **Cultural Resources?** N

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)		20
Distance to Surface Water (feet)	200 to 300	10
Dist. Nearest Municipal Well (ft)	500 to 1320	10
Distance to Other Wells (feet)	>1320	0
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	10 to 20	5
Affected Populations		
Presence Nearby Utility Conduits	Present	15
	Final Score	75 1 Sensitivity Level

Characteristics / Requirements

Pit to be dug to a depth of 8'. Pit should be fenced to prevent entry by deer, other wildlife and domestic animals. Pit to be closed within one year after drilling activities are complete.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

Surface owner asked for and was granted some special conditions at the presite;
Fencing of the entire pad to keep out livestock
Fencing along the East side of property boundary
cattle guards at all fenceline crossings
gate where the acces road enters his property
soils stockpiling to be contained inside the fence

Chris Jensen — **Evaluator**

5/30/2012 — **Date / Time**

RECEIVED: August 02, 2012

Application for Permit to Drill
Statement of Basis
Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
5939	43013514120000	LOCKED	OW	P	No
Operator	NEWFIELD PRODUCTION COMPANY		**Surface Owner-APD**	David A. Evans & Alicia L. Evans	
Well Name	Lusty 1-11-3-3W		**Unit**		
Field	WILDCAT		**Type of Work**	DRILL	
Location	NENE 11 3S 3W U 60 FNL 1121 FEL GPS Coord (UTM) 569344E 4455107N				

Geologic Statement of Basis

Newfield proposes to set 60' of conductor and 1,000' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 1,700'. Air and or fresh water will be used to drill the entire surface hole. A search of Division of Water Rights records shows 12 water wells within a 10,000 foot radius of the center of Section 11. Depth is listed as ranging from 42 to 300 feet. Depth is not listed for 2 wells. Water use is listed as irrigation, stock watering and domestic use. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The surface casing should either be extended to cover the base of the moderately saline ground water or intermediate string casing cement should be brought up to cover it.

Brad Hill — **APD Evaluator**

6/20/2012 — **Date / Time**

Surface Statement of Basis

Operator has a surface agreement in place with the landowner. I was made aware that some concessions were made to the landowner. Location is proposed in a place that minimizes distruption of farming operations and is within the spacing window. Access road is going enter the North end of pad.

The soil type and topography at present do not combine to pose a significant threat to erosion or sediment/ pollution transport in these regional climate conditions. Construction standards of the Operator appear to be adequate for the proposed purpose. I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. The landowner was invited and was in attendance for the pre-site inspection. The location should be bermed to prevent spills from leaving the confines of the pad. Fencing around the reserve pit will be necessary once the well is drilled to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit. Fencing of location to protect livestock during drilling and thereafter.

Chris Jensen — **Onsite Evaluator**

5/30/2012 — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.

RECEIVED: August 02, 2012

Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Fencing of location to protect livestock during drilling and thereafter.

RECEIVED: August 02, 2012

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 5/15/2012
API NO. ASSIGNED: 43013514120000
WELL NAME: Lusty 1-11-3-3W
OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)
PHONE NUMBER: 435 719-2018
CONTACT: Don Hamilton

PROPOSED LOCATION: NENE 11 030S 030W
Permit Tech Review: ☑

SURFACE: 0060 FNL 1121 FEL
Engineering Review: ☑

BOTTOM: 0660 FNL 1109 FEL
Geology Review: ☑

COUNTY: DUCHESNE
LATITUDE: 40.24354
LONGITUDE: -110.18472
UTM SURF EASTINGS: 569344.00
NORTHINGS: 4455107.00
FIELD NAME: WILDCAT
LEASE TYPE: 4 - Fee
LEASE NUMBER: patented
PROPOSED PRODUCING FORMATION(S): WASATCH
SURFACE OWNER: 4 - Fee
COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** STATE - B001834
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 437478
- ☑ **RDCC Review:** 2012-07-25 00:00:00.0
- ☑ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

- ☐ **R649-3-2. General**
- ☑ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: 139-90
Effective Date: 5/9/2012
Siting: 660' Fr Ext Bndry 1320 Fr wells

- ☑ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
1 - Exception Location - dmason
5 - Statement of Basis - bhill
10 - Cement Ground Water - hmacdonald
12 - Cement Volume (3) - hmacdonald
15 - Directional - dmason
21 - RDCC - dmason
25 - Surface Casing - hmacdonald

RECEIVED: August 02, 2012

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill
****

Well Name: Lusty 1-11-3-3W
API Well Number: 43013514120000
Lease Number: patented
Surface Owner: FEE (PRIVATE)
Approval Date: 8/2/2012

Issued to:
NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:
Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of 139-90. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:
Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. The operator will be required to comply with any applicable recommendations resulting from this review. (See attached)

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

The 7” casing string cement shall be brought back to ±800’ to isolate base of moderately saline ground water.

Cement volume for the 4 1/2 production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 8488' MD as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

Additional Approvals:
The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
  at http://oilgas.ogm.utah.gov
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
  - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:
The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
  801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
  801-231-8956 - after office hours

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation

• Written Notice of Emergency Changes (Form 9) - due within 5 days
• Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
• Report of Water Encountered (Form 7) - due within 30 days after completion
• Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

BLM - Vernal Field Office - Notification Form

CONFIDENTIAL

Operator Newfield Exploration Rig Name/# Ross 31 Submitted By Branden Arnold Phone Number 435-401-0223
Well Name/Number Lusty 1-11-3-3W
Qtr/Qtr NE/NE Section 11 Township 3S Range 3W
Lease Serial Number Patented
API Number 43-013-51412

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 9/24/12 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

☒ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time 9/24/12 2:00 AM ☐ PM ☒

BOPE

☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _____ _____ AM ☐ PM ☐

Remarks _____

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 26 Submitted By Branden Arnold Phone Number 4354010223
Well Name/Number Lusty 1-11-3-3W
Qtr/Qtr NENE Section 11 Township 3S Range 3W
Lease Serial Number patented
API Number 43-013514120000

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 9/28/12 10 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

☒ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time 9/29/12 12 AM ☒ PM ☐

BOPE

☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _____ _____ AM ☐ PM ☐

Remarks _____

Alexis Huefner - Newfield - Lusty 1-11-3-3W Spud Notice

From: "Pioneer 68" <den_pio68@nfxrig.com>
To: "Alexis Huefner" <alexishuefner@utah.gov>, "Carol Daniels" <caroldaniels...
Date: 10/3/2012 1:45 PM
Subject: Newfield - Lusty 1-11-3-3W Spud Notice
CC: "Hans Wychgram" <hwychgram@newfield.com>, "Mitch Benson" <mbenson@newfie...

Operator:	**Newfield Production Company**
Well Name:	**Lusty 1-11-3-3W**
Rig:	**Pioneer #68**
Legals:	**60' FNL, 1121' FEL, Sec. 11-T3S-R3W Duchesne County, Utah**
API #:	**43-013-51412-0000**
Contact:	**See Below**
Est. Spud	**20:00 10/3/2012**
Est. Run 9 5/8" Csg:	**20:00 10/4/2012**
Est. Cement:	**23:00 10/4/2012**
Est. BOP Test:	**05:00 10/5/2012**

CONFIDENTIAL

NEWFIELD

Richard McNeill
Newfield Drilling Supervisor
Pioneer 68
Office 970 361-3263
Cell 720 339-7239
den_pio68@nfxrig.com

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: FEE

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UINTA CB - WASATCH DEEP

1. TYPE OF WELL: OIL WELL [x] GAS WELL [ ] OTHER

8. WELL NAME and NUMBER: LUSTY 1-11-3-3W

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 4301351412

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER: 435.646.3721

10. FIELD AND POOL, OR WILDCAT: UINTA CENTRAL BASIN

4. LOCATION OF WELL:

FOOTAGES AT SURFACE:

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENE, 11, T3S, R3W

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[x] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
09/30/2012	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[x] OTHER: - Spud Notice
	[ ] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 9/28/12 MIRU Ross #26. Spud well @6:00 PM. Drill 68' of 17 1/2" hole with air mist. TIH W/ 2 Jt's 14" H-40 36.75# csgn. Set @ 86. On 9/30/12 cement with 90 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 5 barrels cement to pit. WOC.

CONFIDENTIAL

NAME (PLEASE PRINT) Branden Arnold TITLE

SIGNATURE DATE 10/02/2012

(This space for State use only)

RECEIVED
OCT 05 2012
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT NO N2695

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400	4301350880	GMBU 8-14T-9-16	SENE	14	9S	16E	DUCHESNE	9/13/2012	10/24/12

WELL 1 COMMENTS
GRRV

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	18753	4301351390	MORRILL 4-23-3-2WH	NWNW	23	3S	2W	DUCHESNE	9/11/2012	10/24/12

GRRV

CONFIDENTIAL

ACTION B	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400	4301350821	GMBU Y-35-8-17	NENE	3	9S	17E	DUCHESNE	9/26/2012	10/24/12

This well's range is 9S-17E at the surface of the whole, and 8S-17E at the bottom of the whole
GRRV BHL: S35 T8S SWSW

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400	4301351174	GMBU O-10-9-16	SENE	9	9S	16E	DUCHESNE	9/29/2012	10/24/12

WELL 1 COMMENTS
GRRV S10 NWSW

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400	4301351173	GMBU L-9-9-16	SENE	9	9S	16E	DUCHESNE	9/18/2012	10/24/12

GRRV BHL: NWSE

ACTION B	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	18754	4301351412	LUSTY 1-11-3-3W	NENE	11	3S	3W	DUCHESNE	9/28/2012	10/24/12

WSTC nene

CONFIDENTIAL

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400	4301351249	GMBU E-16-9-17	SESE	8	9S	17E	DUCHESNE	10/1/2012	10/24/12

GRRV BHL: 16 NWNW

A - Establish new entity for new well (single well only)
B - Add new well to existing entity (group or unit well)
C - Re-assign well from one existing entity to another existing entity
D - Re-assign well from one existing entity to a new entity
E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED
OCT 12 2012
Div. of Oil, Gas & Mining

Signature: Tasha Robison
Tasha Robison
Production Clerk
10/03/12

Form 3160-4
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: PATENTED

1a. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other:

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.:

2. Name of Operator: NEWFIELD PRODUCTION COMPANY

8. Lease Name and Well No.: LUSTY 1-11-3-3W

3. Address: ROUTE #3 BOX 3630, MYTON, UT 84052

3a. Phone No. *(include area code)*: Ph:435-646-3721

9. API Well No.: 43-013-51412

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: 60' FNL 1121' FEL (NE/NE) SEC 11 T3S R3W

At top prod. interval reported below: 710' FNL 1091' FEL (NE/NE) SEC 11 T3S R3W

At total depth: 750' FNL 1094' FEL (NE/NE) SEC 11 T3S R3W

10. Field and Pool or Exploratory: MONUMENT BUTTE

11. Sec., T., R., M., on Block and Survey or Area: SEC 11 T3S R3W

12. County or Parish: DUCHESNE

13. State: UT

14. Date Spudded: 09/28/2012

15. Date T.D. Reached: 10/18/2012

16. Date Completed: ☐ D & A ☑ Ready to Prod. 03/16/2013

17. Elevations (DF, RKB, RT, GL)*: 5307' GL 5325' KB

18. Total Depth: MD 10670' TVD 10638'

19. Plug Back T.D.: MD 10613' TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
13-1/2"	9-5/8" J-55	36	0'	1011'		456 CLASS G			
8-7/8"	7" P-110	26	0'	8628'		300 Bondcem		0'	
						715 Versacem			
6-1/4"	4.5" P-110	13.5	8298'	10655'		210 Versacem			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@8803'							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	8852'	8876'	8852' - 8876' MD	0.34	27	
B) Wasatch	9356'	10159'	9356' - 10159' MD	0.34	99	
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
8852' - 10159' MD	Frac w/667,699#s of 20/40 white sand and 63,880 super LC 20/40 in 14,713 bbls of Lightning 17 fluid, in 5 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
1/1/2013	1/10/13	24	→	575	506	1950			GAS LIFT

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GARDEN GULCH MARK	6793'
				GARDEN GULCH 1	7072'
				GARDEN GULCH 2	7238'
				DOUGLAS CREEK	7883'
				CASTLE PEAK	8790'
				UTELAND BUTTE	9093'
				WASATCH	9238'
				WASATCH 10	9406'
				WASATCH 30	10085'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☑ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☑ Other: Drilling daily activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Heather Calder Title Regulatory Technician

Signature Heather Calder Date 04/02/2014

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

Weatherford®

NEWFIELD EXPLORATION CO.

DUCHESNE COUNTY, UT
LUSTY 1-11-3-3W
LUSTY 1-11-3-3W

LUSTY 1-11-3-3W

Survey: Survey #1

Standard Survey Report

16 October, 2012

Weatherford®

Weatherford

Weatherford International Ltd.

Survey Report

Weatherford

Company:	NEWFIELD EXPLORATION CO.	**Local Co-ordinate Reference:**	Well LUSTY 1-11-3-3W
Project:	DUCHESNE COUNTY, UT	**TVD Reference:**	WELL @ 5324.80ft (Original Well Elev)
Site:	LUSTY 1-11-3-3W	**MD Reference:**	WELL @ 5324.80ft (Original Well Elev)
Well:	LUSTY 1-11-3-3W	**North Reference:**	True
Wellbore:	LUSTY 1-11-3-3W	**Survey Calculation Method:**	Minimum Curvature
Design:	LUSTY 1-11-3-3W	**Database:**	EDM 5000.1 Single User Db

Project DUCHESNE COUNTY, UT

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site LUSTY 1-11-3-3W

Site Position:		**Northing:**	7,260,150.48 usft	**Latitude:**	40° 14' 36.890 N
From:	Lat/Long	**Easting:**	2,007,574.50 usft	**Longitude:**	110° 11' 4.750 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16"	**Grid Convergence:**	0.84 °

Well LUSTY 1-11-3-3W

Well Position	**+N/-S**	0.00 ft	**Northing:**	7,260,150.48 usft	**Latitude:**	40° 14' 36.890 N
	+E/-W	0.00 ft	**Easting:**	2,007,574.50 usft	**Longitude:**	110° 11' 4.750 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,306.80 ft

Wellbore LUSTY 1-11-3-3W

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2012	9/26/2012	11.26	65.88	52,179

Design LUSTY 1-11-3-3W

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	177.81

Survey Program **Date** 10/16/2012

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
170.00	10,670.00	Survey #1 (LUSTY 1-11-3-3W)	MWD	MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	0.58	64.54	170.00	0.37	0.78	-0.34	0.34	0.34	0.00
261.00	0.82	49.73	260.99	0.99	1.69	-0.92	0.33	0.26	-16.27
352.00	1.05	59.21	351.98	1.84	2.90	-1.72	0.30	0.25	10.42
474.00	1.68	63.04	473.94	3.22	5.46	-3.01	0.52	0.52	3.14
595.00	0.63	165.85	594.92	3.38	7.20	-3.10	1.59	-0.87	84.97
751.00	0.90	178.50	750.91	1.32	7.44	-1.04	0.20	0.17	8.11
878.00	1.26	169.10	877.89	-1.05	7.73	1.34	0.32	0.28	-7.40
957.00	1.24	172.81	956.87	-2.75	8.00	3.05	0.11	-0.03	4.70
1,045.00	1.61	165.11	1,044.84	-4.89	8.44	5.20	0.47	0.42	-8.75
1,117.00	1.65	164.38	1,116.81	-6.86	8.98	7.20	0.06	0.06	-1.01
1,200.00	3.01	186.24	1,199.74	-10.18	9.06	10.52	1.93	1.64	26.34
1,295.00	4.88	187.53	1,294.51	-16.67	8.26	16.97	1.97	1.97	1.36

Weatherford

Weatherford International Ltd.

Survey Report

Weatherford

Company:	NEWFIELD EXPLORATION CO.	**Local Co-ordinate Reference:**	Well LUSTY 1-11-3-3W
Project:	DUCHESNE COUNTY, UT	**TVD Reference:**	WELL @ 5324.80ft (Original Well Elev)
Site:	LUSTY 1-11-3-3W	**MD Reference:**	WELL @ 5324.80ft (Original Well Elev)
Well:	LUSTY 1-11-3-3W	**North Reference:**	True
Wellbore:	LUSTY 1-11-3-3W	**Survey Calculation Method:**	Minimum Curvature
Design:	LUSTY 1-11-3-3W	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,421.00	4.56	186.13	1,420.09	-26.96	7.03	27.21	0.27	-0.25	-1.11
1,548.00	5.91	182.19	1,546.55	-38.51	6.24	38.72	1.10	1.06	-3.10
1,675.00	5.38	179.26	1,672.94	-51.00	6.06	51.19	0.47	-0.42	-2.31
1,801.00	6.46	179.75	1,798.26	-63.99	6.17	64.18	0.86	0.86	0.39
1,928.00	6.27	180.16	1,924.48	-78.07	6.18	78.25	0.15	-0.15	0.32
2,054.00	5.93	179.23	2,049.77	-91.46	6.25	91.63	0.28	-0.27	-0.74
2,181.00	5.92	179.49	2,176.09	-104.57	6.40	104.74	0.02	-0.01	0.20
2,307.00	5.88	179.42	2,301.42	-117.52	6.52	117.69	0.03	-0.03	-0.06
2,434.00	5.72	176.55	2,427.77	-130.34	6.97	130.52	0.26	-0.13	-2.26
2,560.00	6.24	178.69	2,553.09	-143.46	7.50	143.64	0.45	0.41	1.70
2,686.00	6.35	177.70	2,678.33	-157.27	7.94	157.46	0.12	0.09	-0.79
2,813.00	6.26	176.31	2,804.56	-171.19	8.67	171.40	0.14	-0.07	-1.09
2,939.00	6.41	177.10	2,929.79	-185.07	9.46	185.30	0.14	0.12	0.63
3,066.00	6.36	175.23	3,056.00	-199.16	10.41	199.42	0.17	-0.04	-1.47
3,193.00	6.36	174.84	3,182.22	-213.18	11.63	213.47	0.03	0.00	-0.31
3,319.00	7.01	178.71	3,307.36	-227.82	12.43	228.13	0.63	0.52	3.07
3,446.00	6.91	177.88	3,433.43	-243.20	12.88	243.51	0.11	-0.08	-0.65
3,572.00	6.70	176.82	3,558.54	-258.11	13.57	258.44	0.19	-0.17	-0.84
3,698.00	6.05	173.22	3,683.76	-272.05	14.76	272.41	0.61	-0.52	-2.86
3,825.00	6.51	179.31	3,810.00	-285.89	15.64	286.28	0.64	0.36	4.80
3,951.00	6.32	178.96	3,935.21	-299.97	15.85	300.35	0.15	-0.15	-0.28
4,078.00	5.41	178.06	4,061.54	-312.94	16.18	313.33	0.72	-0.72	-0.71
4,204.00	5.85	177.18	4,186.94	-325.29	16.70	325.69	0.36	0.35	-0.70
4,331.00	6.36	179.70	4,313.22	-338.79	17.05	339.19	0.45	0.40	1.98
4,457.00	5.63	179.65	4,438.53	-351.95	17.13	352.34	0.58	-0.58	-0.04
4,583.00	6.28	179.88	4,563.85	-365.02	17.18	365.41	0.52	0.52	0.18
4,710.00	5.49	178.14	4,690.18	-378.04	17.39	378.43	0.64	-0.62	-1.37
4,836.00	5.68	177.84	4,815.58	-390.29	17.82	390.69	0.15	0.15	-0.24
4,899.00	6.25	179.13	4,878.24	-396.84	17.99	397.23	0.93	0.90	2.05
5,025.00	6.01	179.00	5,003.52	-410.29	18.21	410.69	0.19	-0.19	-0.10
5,151.00	4.79	175.95	5,128.95	-422.13	18.70	422.54	0.99	-0.97	-2.42
5,278.00	5.94	178.49	5,255.40	-433.99	19.25	434.41	0.92	0.91	2.00
5,404.00	5.84	176.62	5,380.73	-446.91	19.80	447.34	0.17	-0.08	-1.48
5,530.00	7.23	179.78	5,505.91	-461.24	20.20	461.67	1.14	1.10	2.51
5,656.00	5.83	176.05	5,631.09	-475.55	20.68	475.99	1.16	-1.11	-2.96
5,782.00	6.28	181.43	5,756.39	-488.82	20.94	489.27	0.57	0.36	4.27
5,908.00	6.64	177.27	5,881.59	-502.99	21.12	503.43	0.47	0.29	-3.30
6,034.00	6.00	176.59	6,006.82	-516.84	21.86	517.30	0.51	-0.51	-0.54
6,161.00	5.51	174.25	6,133.18	-529.53	22.86	530.02	0.43	-0.39	-1.84
6,287.00	6.05	179.04	6,258.54	-542.19	23.58	542.70	0.57	0.43	3.80
6,414.00	5.23	177.72	6,384.92	-554.67	23.92	555.18	0.65	-0.65	-1.04
6,540.00	4.84	175.38	6,510.44	-565.70	24.58	566.23	0.35	-0.31	-1.86
6,667.00	4.59	175.48	6,637.01	-576.11	25.41	576.66	0.20	-0.20	0.08
6,793.00	4.16	175.63	6,762.64	-585.69	26.16	586.26	0.34	-0.34	0.12
6,920.00	3.91	176.13	6,889.33	-594.60	26.80	595.19	0.20	-0.20	0.39
7,047.00	3.65	176.15	7,016.05	-602.96	27.36	603.56	0.20	-0.20	0.02
7,173.00	2.38	173.28	7,141.87	-609.56	27.94	610.18	1.01	-1.01	-2.28
7,300.00	1.50	174.47	7,268.80	-613.83	28.41	614.47	0.69	-0.69	0.94
7,426.00	1.94	174.96	7,394.74	-617.60	28.75	618.25	0.35	0.35	0.39
7,553.00	1.75	168.19	7,521.68	-621.64	29.34	622.30	0.23	-0.15	-5.33
7,680.00	2.16	168.68	7,648.60	-625.88	30.21	626.58	0.32	0.32	0.39
7,806.00	1.61	154.02	7,774.53	-629.80	31.45	630.54	0.58	-0.44	-11.63
7,933.00	0.50	110.56	7,901.51	-631.60	32.75	632.39	1.02	-0.87	-34.22
8,059.00	1.22	169.05	8,027.50	-633.11	33.52	633.93	0.83	0.57	46.42

Weatherford

Weatherford International Ltd.

Survey Report

Weatherford

Company:	NEWFIELD EXPLORATION CO.	**Local Co-ordinate Reference:**	Well LUSTY 1-11-3-3W
Project:	DUCHESNE COUNTY, UT	**TVD Reference:**	WELL @ 5324.80ft (Original Well Elev)
Site:	LUSTY 1-11-3-3W	**MD Reference:**	WELL @ 5324.80ft (Original Well Elev)
Well:	LUSTY 1-11-3-3W	**North Reference:**	True
Wellbore:	LUSTY 1-11-3-3W	**Survey Calculation Method:**	Minimum Curvature
Design:	LUSTY 1-11-3-3W	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,186.00	2.41	170.17	8,154.43	-637.07	34.23	637.91	0.94	0.94	0.88
8,313.00	1.84	182.53	8,281.35	-641.74	34.60	642.59	0.57	-0.45	9.73
8,439.00	1.34	213.40	8,407.30	-644.99	33.70	645.80	0.77	-0.40	24.50
8,565.00	0.49	267.92	8,533.28	-646.24	32.35	647.00	0.90	-0.67	43.27
8,595.00	0.60	254.93	8,563.28	-646.28	32.07	647.04	0.55	0.37	-43.30
8,708.00	0.98	211.49	8,676.27	-647.26	30.99	647.97	0.60	0.34	-38.44
8,835.00	1.29	199.46	8,803.25	-649.53	29.95	650.20	0.31	0.24	-9.47
8,962.00	1.34	192.75	8,930.21	-652.33	29.14	652.97	0.13	0.04	-5.28
9,088.00	1.54	183.54	9,056.17	-655.46	28.71	656.08	0.24	0.16	-7.31
9,215.00	1.73	184.82	9,183.12	-659.07	28.45	659.68	0.15	0.15	1.01
9,342.00	0.36	189.13	9,310.10	-661.38	28.22	661.97	1.08	-1.08	3.39
9,468.00	0.91	177.41	9,436.09	-662.77	28.21	663.36	0.45	0.44	-9.30
9,594.00	1.02	176.35	9,562.07	-664.88	28.32	665.48	0.09	0.09	-0.84
9,720.00	0.50	177.66	9,688.06	-666.55	28.42	667.15	0.41	-0.41	1.04
9,847.00	0.98	183.27	9,815.05	-668.19	28.38	668.79	0.38	0.38	4.42
9,974.00	1.38	185.10	9,942.02	-670.80	28.18	671.39	0.32	0.31	1.44
10,101.00	1.55	188.46	10,068.98	-674.02	27.79	674.59	0.15	0.13	2.65
10,228.00	1.58	181.14	10,195.93	-677.47	27.50	678.03	0.16	0.02	-5.76
10,355.00	1.42	183.94	10,322.89	-680.79	27.36	681.34	0.14	-0.13	2.20
10,482.00	1.68	181.90	10,449.84	-684.22	27.19	684.76	0.21	0.20	-1.61
LAST SVY									
10,614.00	1.99	177.70	10,581.78	-688.45	27.22	688.98	0.26	0.23	-3.18
PROJ SVY - PBHL LUSTY 1-11-3-3W									
10,670.00	1.99	177.70	10,637.74	-690.39	27.30	690.93	0.00	0.00	0.00

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
10,614.00	10,581.78	-688.45	27.22	LAST SVY
10,670.00	10,637.74	-690.39	27.30	PROJ SVY

Checked By: _____ Approved By: _____ Date: _____

Daily Activity Report

Format For Sundry

LUSTY 1-11-3-3W

11/1/2012 To 3/28/2013

11/20/2012 Day: 1 **Completion**

Rigless on 11/20/2012 - Install Tbg Head and test - Conduct PJSM. Have back hoe, Grader and dress and clean location. Placed gravel in cellar and fill mouse hole. Set Outback or Select office trailer, trash bin and Pot-a-Pots. MIRU B&G crane and install Cameron Tbg head. Test void 5000 psi. Test wing valves 250 psi low and 5,000 psi high. 5min and 10 min. all tested good. Install FMC 10kHCR frac valve and test 250 low and 10,000 psi high. All test charted on file. Shut well in and cap.
Daily Cost: $0
Cumulative Cost: $10,806

11/21/2012 Day: 2 **Completion**

Rigless on 11/21/2012 - Shut in well, work suspended until later date - PU and RIH w/ 3.75" Gauge Ring and tag liner top @ +- 8291 WLM. Lost tool weight and on PU "sticky". Deision to POOH and RDWL. - MIRU JW WL
Daily Cost: $0
Cumulative Cost: $32,857

11/30/2012 Day: 3 **Completion**

Rigless on 11/30/2012 - MIRU Mountain state WOR, NU 5K BOP stack, Spot Pipe rick, and tally tbg - MIRU Mountain state WOR. 15:00 to 17:00 Mountain state is RU waiting on 5K BOP stack from Night oil tool. Deliver time should be around 18:30 PM. - Well shut in no activty . - PUMU Knight Oil tools 5k 71/16? BOP stack, NU 10K X 5K companion spool, 71/16? 5K Double BOP with blind rams and 2 3/8 pipe rams, 71/16? 5K flow cross with double outlets with double valve, single 7 1/16? 5K BOP with 2 3/8 pipe rams, and Washington stripper head.
Daily Cost: $0
Cumulative Cost: $55,053

12/1/2012 Day: 4 **Completion**

Rigless on 12/1/2012 - NU Knight's BOP's and test, PUMU RIH 3.75 claw mill, C/O 10,607', POH L/D PH6 tbg, MIRU W/L for CBL logs, - 20:30 ? 00:00 MIRU JW Wireline to run 3.750? gauge ring and CBL logs from surface to PBTD 10,606?. RU 5-1/2" 5K lubricator, PU 3.750? gage ring and junk basket and make-up lubricator. Function test both wireline rams. Test lubricator to 5,000 psi for 5 minutes against upper manual frac valve with no pressure departure. RIH 3.750? gage ring and junk basket to PBTD 10,613? (WLM), POH with gage ring, all tools recovered. - 11:30 -15:15 RU power swivel and clean fill @ 10,580? FS. Start pumping Clean out fill @ 2 BMP @ 8,00 psi . Drill out cement from 10,580? to 10,607 on top float collar. Total water used 225 bbls water. RD Power swivel and LD 338 jts 2-38? tbg 5.95# PH-6, 1- ?R? nipple, 1 jts 2-3/8? PH-6 5.95#, 1.867 ID, ?RN nipple, Crossover, bit sub, claw mill 3.75? OD. - 07:00 ? 08:30 PUMU 3.750? OD clog mill, Bit sub, crossover, ?RN? nipple, 1 jts of 2 3/8 PH6 P110 5.95# 1.867 ID, ?R? nipple, 2 jts of 2 3/8 PH6 P110 5.95# 1.867 ID, (liner top @8,298?). Did not tag anything through the top of the liner hanger at 8,298?FS. We are proceeding to, TIH w/2-3/8? PH-6 5.95# 1.867 ID, to Float collar and circulate bottoms up. 08:00 ? 11:30 AM RIH w/ 3.750? OD clog mill, Bit sub, crossover, ?RN? nipple, 1 jts of 2

3/8 PH6 P110 5.95# 1.867 ID, ?R? nipple, 336 jts of 2 3/8 PH6 P110 5.95# 1.867 ID, (Tag hard fill @10.580?) Start Cir Hole @ 2 BMP @ 8,00 psi after, recover 61 bbls water we recover 5 bbls of drill mud back. We pump total 195 bbls water and shut down . Had order from the office clean out to 10,607. RU power Swivel - PUMU Knight Oil tools 5k 71/16? BOP stack, NU on 10K manual frac valve, 7 1/16? 10K X 5K companion spool, 71/16? 5K Double BOP with blind rams and 2 3/8 pipe rams, 71/16? 5K flow cross with double outlets with double valve, single 7 1/16? 5K BOP with 2 3/8 pipe rams, and Washington stripper head. Test stack to 4,500 psi, Tested each of stack. - PUMU Knight Oil tools 5k 71/16? BOP stack, NU on 10K manual frac valve, 7 1/16? 10K X 5K companion spool, 71/16? 5K Double BOP with blind rams and 2 3/8 pipe rams, 71/16? 5K flow cross with double outlets with double valve, single 7 1/16? 5K BOP with 2 3/8 pipe rams, and Washington stripper head. Test stack to 4,500 psi, Tested each part of stack.
Daily Cost: $0
Cumulative Cost: $81,478

12/2/2012 Day: 5 **Completion**

Rigless on 12/2/2012 - RIH and run CBL logs, RN BOP Stack instal TWVC w/2-7/8" tbg hanger Pressure test casing - ND night oil tools 5K bop stack, install 2-7/8? tbg hanger w/TWCV and install Weatherford 10K night cap. Start pressure on the casing to 8,000 psi for 30 min. Good test. Blled of casing and monitor for 10 min, and chart test. No departure allowed. - Well shut no activity - PUMU CBL logging tool and make-up lubricator. Test lubricator to 5,000 psi for 5 minutes against upper manual frac valve with no pressure departure. RIH CBL logging tool to PBTD 10,613? (WLM), Run CBL at 0 psi from PBTD to cement top in 7" casing. Note 0 psi on the well for CBL on header of log. RIH and log CBL from PBTD 10,613? to 8,000 ft with 1,000 psi on wellhead. Note 1,000 psi on the well for CBL on header of log. POH with CBL logging tools, all tools recovered.All log is complete, RDMO J&W wireline.
Daily Cost: $0
Cumulative Cost: $113,550

12/6/2012 Day: 6 **Completion**

Rigless on 12/6/2012 - Close in well, no activity - MIRU FMC test Unit. Deadhead against test unit to 10,000 psi, for 5 min. Test Ok. PT body 10,000 psi high 10 minuntes, 300 psi low for 5 minutes, PT 2 1/16" wing valves 10,000 psi high 10 minutes, 300 psi low for 5 minutes. Negative test lower7 1/16" frac valve 10,000 psi high 10 minutes 300 psi low 5 minutes, Middle Master 7 1/16" 10,000 psi high 10 min 300 psi lower 5 minutes, Upper master 7 1/16" 10,000 psi high 10 minutes 300 psi low 5 minutes. RD FMC test unit. Close in well - 1400 MIRU JW Crane. FMC on location w/7-1/16" 10K frac stack. NU FMC 7-1/16' 10K x 10K adaptor spool, 7-1/16' 10K manual frac valve, Flow cross w/dual, double 2-1/16" outlets. Bled casing off. Remove 7-1/16" x 2-7/8" tbg hanger w/TWCV. Continue to NU manual frac valve. Plan is to NU frac stack, test same. - No Activity
Daily Cost: $0
Cumulative Cost: $129,369

12/7/2012 Day: 7 **Completion**

Rigless on 12/7/2012 - No Activity - No Activity
Daily Cost: $0
Cumulative Cost: $130,219

12/8/2012 Day: 8 **Completion**

Rigless on 12/8/2012 - No Activity - No Activity
Daily Cost: $0
Cumulative Cost: $131,069

12/9/2012 Day: 9 **Completion**

Rigless on 12/9/2012 - No Activity - No Activity
Daily Cost: $0
Cumulative Cost: $131,919

12/10/2012 Day: 10 **Completion**

Rigless on 12/10/2012 - No Activity - No Activity
Daily Cost: $0
Cumulative Cost: $144,042

12/11/2012 Day: 11 **Completion**

Rigless on 12/11/2012 - MIRU Pennacle/Halliburton Microseismic Tools, Haul in KCL water for frac. - Hauling in 5000 Bbls KCL frac fluid - Tool #13 DDS-250 Down hole Shuttle Channel (V,H1, H2) 39, 38, 37: 2.500? OD x 36.9? long, 2 Rigid Interconnect: 2.500? OD x 36.9? long, Tool #12 DDS-250 Down hole Shuttle Channel (V,H1, H2) 36, 35, 34: 2.500? OD x 36.9? long, 2 Rigid Interconnect: 2.500? OD x 36.9? long, Tool #11, 10, 9 DDS-250 Down hole Shuttle Channel (V,H1, H2) 33, 32, 31, 30, 29, 28, 27, 26, 25: 2.500? OD x 36.9? long, 2 Rigid Interconnect: 2.500? OD x 36.9? long, Tool #8 DDS-250 Down hole Shuttle Channel (V,H1, H2) 24, 23, 22: 2.500? OD x 36.9? long, 2 Rigid Interconnect: 2.500? OD x 36.9? long, Tool #7 DDS-250 Down hole Shuttle Channel (V,H1, H2) 21, 20, 19: 2.500? OD x 36.9? long, , 1 Flexible Wireline Cable Interconnect: 2.500? OD x 39.4? long, Tool #6 DDS-250 Down hole Shuttle Channel (V,H1, H2) 18, 17, 16: 2.500? OD x 36.9? long, 1 Flexible Wireline Cable Interconnect: 2.500? OD x 39.4? long, Tool #5, 4, 3 DDS-250 Down hole Shuttle Channel (V,H1, H2) 15, 14, 13, 12, 11, 10, 9, 8, 7: 2.500? OD x 36.9? long, 2 Flexible Wireline Cable Interconnect: 2.500? OD x 39.4? long, Tool #2 DDS-250 Down hole Shuttle Channel (V,H1, H2) 6, 5, 4: 2.500? OD x 36.9? long, 2 Flexible Wireline Cable Interconnect: 2.500? OD x 73.7? long, Tool #1 DDS-250 Down hole Shuttle Channel (V,H1, H2) 3, 2, 1: 2.500? OD x 36.9? long, Cable Head: 2.500? OD x 4.0? long. RIH to 300?. EOT @ 980.10? ?WLM?. 9 (Total length 680.10?) Standby for frac date. Continue to Haul KCL water to fill frac tanks. - NU 10K 7-1/16? x 5K adaptor spool, 5K 7-1/16? WL flange. TIH w/CCL 2.500? OD x 4? long,Tool #24 DDS-250 Down hole Shuttle Channel (V,H1, H2) 72, 71, 70: 2.500? OD x 36.9? long, 2 Rigid Interconnect: 2.500? OD x 36.9? long, Tool #23, 22, 21 DDS-250 Down hole Shuttle Channel (V,H1, H2) 69, 68, 67, 66, 65, 64, 63, 62, 61: 2.500? OD x 36.9? long, , 2 Rigid Interconnect: 2.500? OD x 36.9? long, Tool #20 DDS-250 Down hole Shuttle Channel (V,H1, H2) 60, 59, 58: 2.500? OD x 36.9? long, 2 Rigid Interconnect: 2.500? OD x 36.9? long, Tool #19 DDS-250 Down hole Shuttle Channel (V,H1, H2) 57, 56, 55: 2.500? OD x 36.9? long, 2 Rigid Interconnect: 2.500? OD x 36.9? long, Tool #18 DDS-250 Down hole Shuttle Channel (V,H1, H2) 54, 53, 52: 2.500? OD x 36.9? long, 2 Rigid Interconnect: 2.500? OD x 36.9? long, Tool #17, 16, 15 DDS-250 Down hole Shuttle Channel (V,H1, H2) 51,50,49,48,47,46,45,44,43: 2.500? OD x 36.9? long, 2 Rigid Interconnect: 2.500? OD x 36.9? long, Tool #14 DDS-250 Down hole Shuttle Channel (V,H1, H2) 42, 41, 40: 2.500? OD x 36.9? long, 2 Rigid Interconnect: 2.500? OD x 36.9? long, - RU Pinnacle Micro seismic tools, ITL hauling KCL water to fill frac tanks. - Continue to PT flow back equipment, Monitoring DFIT. PT all FB equipment to 250 for low, for 5 min w/no leaks. Test same to 8,000 psi for high, for 10 min w/no leaks. RDMO Weatherford test Unit. - No Acivity - Conduct PJSM, MIRU

Pinnacle/Halliburton & B&G Crane
Daily Cost: $0
Cumulative Cost: $169,464

12/12/2012 Day: 12 **Completion**

Rigless on 12/12/2012 - Pinnacle Microseismic Tools are in well, POOH to swap out top tool, TIH w/Microseismic tools. - B&G Crane holding Pinnacle sheave while Pinnacle Microseismic Tools are in well. Wait on frac date - 15:00 Pinnacle POOH To fix tool problem between tools 4 and 10 - 17:00 Pinnacle Found the problem at tool geophone number 9. Put in a new geophone at tool 9 Headed back in the hole - Pinnacle left location at 18:00 be back in trhe morning. No activities. - Pinnacle on location with B&G crane POOH with pinnacles tools to change out the top tool.At 10:00 Pinnacle was out of the hole. Changed out top tool and ran back into 1800 feet. Tested tool string to find more problems between tools 4 and 7.
Daily Cost: $0
Cumulative Cost: $186,515

12/13/2012 Day: 13 **Completion**

Rigless on 12/13/2012 - Pinnacle continues to work on their tool string - No activities. - Pinnacle is in position at 9341-8665 feet to monitor the Siesmographic activity from the frac on the Lusty 2-11-3-3WH. - Pinnacle showed up held a Safety meeting went over Jsa's. Started heading to 9341 feet.
Daily Cost: $0
Cumulative Cost: $187,577

12/14/2012 Day: 14 **Completion**

Rigless on 12/14/2012 - Pinnacle is to monitor the siesmographic activity from the frac - Pinnacle is in position at 9341-8665 feet to monitor the Siesmographic activity from the frac on the Lusty 2-11-3-3WH.
Daily Cost: $0
Cumulative Cost: $205,613

12/19/2012 Day: 15 **Completion**

Rigless on 12/19/2012 - RU Baker Hughes frac and J-W Wireline to Perf/Frac stage #1 and #2 - Hold PJSM with personnel on location. Spot in and RU Baker Hughes Frac, J-W Wireline and Tetra flowback to the well. - Held PJSM. RU WL Test to 7,800 Psi. OK. RIH. Wellhead pressure 4,558 Psi. , Set Plug #1@t 9,914' Perforate Stage#2 at (9,878-9878.5'), (9,858-9,859'), (9,843'-9,844').(9,836'-9,837'), (9,791'-9,791.5'),(9,762'-9,763') 60 degrees, 3 spf, POOH, all shots fired WL Turn well over to Baker to Frac Stage 2 - Hydraulic Fracture Deep Wasach stage #2 as follows: Break down 3.8 bpm @ 6,355 psi. Avg rate: 30 bpm, Avg press: 7,125 psi, Max rate: 42 bpm, Max press: 7,805 Psi. FG.0.949, ISIP: 5,064 PSI, 5 MIN: 0 psi, 10 MIN: 0 psi. 15 MIN: 0 psi. Total 20/40 White: 119,941 lbs, Total 15% FE acid 1260 gal. Avg HHP: 5,239 Total load to recover 2,582 Bbls. - Held PJSM with Baker Hughes, J-W Wireline, Tetra, Halliburton and Rockwater on location. Pressured tested the frac lines to a low side 300 psi and held it for 1 minute and tested the high side to 9000 psi. Presure tested the flowback lines to 9000 psi. - Conduct PJSM, RU WL to RIH. Test to 8500 Psi. OK. RIH to Perforate Stage 1 at 10,159'-9'980'. ? guns at 120 degrees, 3 spf, 27 holes. POOH. All shots fired. Hand well over to Baker Hughes frac. - Hydraulic Fracture Deep Wasach stage 1 as follows: Break down 5.2 bpm @ 6,479 psi. Avg rate: 51 bpm, Avg press: 6,686 psi, Max rate: 60 bpm, Max press:

7,594 Psi. FG.0.935, ISIP: 4,860 PSI, 5 MIN: 4,875 psi, 10 MIN: 4,825 psi. 15 MIN: 4,795 psi. Total 20/40 White: 110,089 lbs, Total 15% FE acid 630 gal. Avg HHP: 8,374 Total load to recover 2,775
Daily Cost: $0
Cumulative Cost: $232,200

12/20/2012 Day: 16 **Completion**

Rigless on 12/20/2012 - Perf/Frac stage #3,Perf/Frac stage #4,Perf/Frac stage #5, RD Baker Hughes and J-W Wireline. - Baker Hughes hauling Frac equipment off location, ND FMC 7-1/16" 10K manual frac stack (hot shot to town using Western WS) NU Knight Oil tools 7-1/16" 5K BOP, stacked as follows FMC 7-1/16" 10K HCR, 7-1/16" 10K-5K x-o 1- 7-1/16" 5k Blind, mud cross w/ double wings, 1- 7-1/16" 5k pipe rams 1- 5K hydril. Torque bolts, pre-pare to PT. w/ Weatherford test unit. - Held PJSM. RU WL Test to 8900 Psi. OK. RIH. Wellhead pressure 3,500 Psi. , Set Plug Kill plug @ 8,747' and POOH.RD and move off location. - Hydraulic Fracture Deep Wasach stage #5 as follows: Break down 2.9 bpm @ 7,048 psi. Avg rate: 50 bpm, Avg press: 6,757 psi, Max rate: 62 bpm, Max press: 7,524 Psi. FG.0.918, ISIP: 4,563PSI, 5 MIN: 4,258 psi, 10 MIN: 4,218 psi. 15 MIN: 4,188 psi. Total 20/40 White: 159,907 lbs, Total 15% FE acid 1260 gal. Avg HHP: 8,314 Total load to recover 2,721 Bbls. SWI and handed it over to wireline to to set kill plug. Start RD process - Held PJSM. RU WL Test to 7,900 Psi. OK. RIH. Wellhead pressure 4,200 Psi. , Set Plug #4@ 8,895' Perforate Stage#5 at (8,852'-8,857'), (8,872'-8,876'). 120 degrees, 3 spf, POOH, all shots fired WL Turn well over to Baker to Frac Stage #5 - Held PJSM. RU WL Test to 7,900 Psi. OK. RIH. Wellhead pressure 4,076 Psi. , Set Plug #3@ 9,521' Perforate Stage#4 at (9,471-9.473'), (9,441-9,443'), (9,375'-9,377').(9,356'-9,359'). 120 degrees, 3 spf, POOH, all shots fired WL Turn well over to Baker to Frac Stage 4 - Hydraulic Fracture Deep Wasach stage #3 as follows: Break down 13.5 bpm @ 6,960 psi. Avg rate: 47 bpm, Avg press: 6,870 psi, Max rate: 63 bpm, Max press: 7,685 Psi. FG.0.923, ISIP: 4,720PSI, 5 MIN: 4,455 psi, 10 MIN: 4,375 psi. 15 MIN: 4,335 psi. Total 20/40 White: 179,807 lbs, Total 15% FE acid 1260 gal. Avg HHP: 7,931 Total load to recover 3,260 Bbls. - Held PJSM. RU WL Test to 7,800 Psi. OK. RIH. Wellhead pressure 4,648 Psi. , Set Plug #2@ 9,744 ' Perforate Stage#3 at (9,717-9.719'), (9,668-9,669'), (9,630'-9,632').(9,622'-9,624'), (9,562'-9,563'),(9,553'-9,554') 120 degrees, 3 spf, POOH, all shots fired WL Turn well over to Baker to Frac Stage 3 - Hydraulic Fracture Deep Wasach stage #4 as follows: Break down 2.9 bpm @ 7,048 psi. Avg rate: 50 bpm, Avg press: 6,757 psi, Max rate: 62 bpm, Max press: 7,524 Psi. FG.0.918, ISIP: 4,563PSI, 5 MIN: 4,258 psi, 10 MIN: 4,218 psi. 15 MIN: 4,188 psi. Total 20/40 White: 159,907 lbs, Total 15% FE acid 1260 gal. Avg HHP: 8,314 Total load to recover 2,721 Bbls. SWI and handed it over to wireline stage #5. Baker Hughes was down for 1.5 hours bucketing chemicals due to the transfer pumps wouldn?t pump the chemicals in this cold weather.
Daily Cost: $0
Cumulative Cost: $587,265

12/21/2012 Day: 17 **Completion**

Rigless on 12/21/2012 - RU Mountain States work over unit, finish BOP test, PU BHA TIH - Current operations: Still Presure testing the BOP stack which goes as follows-7-1/16" 5k BOP flanges torqued up to API specs, Weatherford test unit dead head to unit test to 5 k 10 min. Test 7-1/16" HCR test from spool up, Door seal failed on 2 3/8" pipe rams. Changed out the door seal, - RU Mountain States Rig To do the drillout. Still trying to test the BOP stack. We Keep blowing the door seals on the stack. Setting one anchor with Benco anchors. Set the frac tanks on one of them. - Ran some hot water thru the BOP stack and started doing a fresh test starting on the Shell test, bottom flange 10k master valve, Blind rams, bottom 2 3/8" pipe rams, top 2 3/8" pipe rams, did 2- 2 1/16" valves on BOP and flowcross to Newfeilds guidelines. Tested the annular bag to 70% of of rating at 3500psi. Placed surge bottle off the

annular valve. Rig is rigged up and placed pipe rack, powerswivel, catwalk and pump and tank. Talling 2 3/8", 4.7#, L-80, EUE 8rd tubing.BOP stack is tarped and rig heater is in place. - Held Pre-Job safety meeting, talked about cold conditions temperatures to be below 0 degrees,Circulating fluids forced heat on well heads. - Mountain Well Service adjusting brake on work over unit, top row of 2-3/8? 4.7# L80 tbg tallied, Tx KCL to mud tank to keep Weatherfords pump circulating while PU tbg. - Current Operation: PU BHA, RIH W/ 3.750? O.D.x 1.00? I.D x 0.35? Hurricane Insert Mill.w/ 2.375? Reg. pin up (1- 2.375? Reg. Box x Pin Float Sub w/ 1R Float 3.250? O.D. x 1.00? I.D. x 0.90? (1- BRS20 Bit Release Sub w/ 1R Float 2.375? Reg. Box down x 2.375? EUE Box up 3.250? O.D. x 1.00? I.D. x 1.77? (1- Joint 2.375 x 32.29? I-80 4.7# EUE Tubing (1- 3.062?? x 1.875? I.D. x 1.28? WX profile Nipple w/ 1.875? Seal bore w/ 2.375? N-80 EUE Coupling. PU of racks TIH filling tubing every 1,000?, Tally tubing (2305 Current Operation : RIH 2.375? 4.7# L--80 tubing w/ BHA #1 @ approx 3126?, Filling tubing and tally second row. 10 Bbls to fill. - Current operations: 7-1/16" 5k BOP flanges torqued up to API specs, Weatherford test unit dead head to unit test to 5 k 10 min. Test 7-1/16" HCR test from spool up,

Daily Cost: $0

Cumulative Cost: $628,221

12/22/2012 Day: 18 **Completion**

Rigless on 12/22/2012 - Drillout the kill plug, Drillout Frac Plug #1, #2, #3,#4 Cleanout to PBTD. - Done mixing KCL water. Tagged up on the kill plug at 8747 '(joint 280). Kicked on the power swivel at started drilling. - Mixing KCL and fresh water to a 7% KCl solution. Four feet off the Kill plug @ 8743'. - 0445 Current Operation : PU 280 Jts. 2-3/8?4.7# N-80 Tbg w/ BHA #1 Tag up kill Plug @ 8,747? Preparing to PU Power swivel, Weatherford circulating equipment RU ready to pump, Tetra flow back - Current Operation: PU BHA, RIH W/ 3.750? O.D.x 1.00? I.D x 0.35? Hurricane Insert Mill.w/ 2.375? Reg. pin up (1- 2.375? Reg. Box x Pin Float Sub w/ 1R Float 3.250? O.D. x 1.00? I.D. x 0.90? (1- BRS20 Bit Release Sub w/ 1R Float 2.375? Reg. Box down x 2.375? EUE Box up 3.250? O.D. x 1.00? I.D. x 1.77? (1- Joint 2.375 x 32.29? I-80 4.7# EUE Tubing (1- 3.062?? x 1.875? I.D. x 1.28? WX profile Nipple w/ 1.875? Seal bore w/ 2.375? N-80 EUE Coupling. PU of racks TIH filling tubing every 1,000?, Tally tubing (2305 Current Operation : RIH 2.375? 4.7# L--80 tubing w/ BHA #1 @ approx 3126?, Filling tubing and tally second row. 3.87 Bbl/ 1,000' - Current Operation : Finished Circulating 584 Bbls.., (7% KCL) . 4,400 Psi @ 3 Bbls/min., Pre-pare to land 2-3/8? 4,7# N-80 Production string, Cameron on location w/ hanger, TWCV / Production tree, B&G Crane to ND BOP/ NU Production tree, Knight Oil tools ND sections of 5k BOP load out tx. t/ town, Will take 5K annular off 1-11-3-3W and install on the 2-11-3-3 WH, Rustin Mair Torque and Test, Western WS to hot shot BOP to Knight oil tools yard. - 1930 Current Operation : Swivel Back, Drained all fluids, Circulating Weatherfords pump, POOH to 8,802?, (2130 Current Operations : LD 2-3/8? 4.7# N-80 @ 8802? Circulating Surface to Surface 273 Bbls.x 2 3.0 Bbls/Min. @ 4,400 Psi. - Tagged sand at 10,473' (Jt. 335) at 15:05. Washed down to PBTD @ 10,616' (Jt. 340) At 16:30. Started pumping a sweep @ 16:30, PIR-3bpm @ 4500 psi,returns 3.5 bpm 2900 psi.WOB-8K,PU WT-42K,NEU WT-40K,SO WT 28K. - Tagged sand at 9,909' (Jt. 317) at 14:25. Tagged up on #4 Frac plug @ 9,914' (Jt. 318) At 14:35. Tagged up 2 feet higher then actual depth. start drilling @ 14:50, PIR-2.8bpm @ 4300 psi,returns 3.5 bpm 3150psi.WOB-8K,PU WT-38K,NEU WT-36K,SO WT 34K. 15:00 thru Frac Plug #4 plug 10 mins. pump 10 bbl sweep set swivel back.Continue RIH to PBTD @ 10,597.58 - Tagged sand at 9,716' (Jt. 311) at 13:10. Tagged up on #3 Frac plug @ 9,753' (Jt. 312) At 13:25. Tagged up 9 feet lower then actual depth. start drilling @ 13:25, PIR-2.8bpm @ 4200 psi,returns 3.5 bpm 3000 psi.WOB-8K,PU WT-34K,NEU WT-32K,SO WT 30K. 13:50 thru Frac Plug #3 plug 20 mins. pump 10 bbl sweep set swivel back.Continue RIH to frac plug #4 @ 9,914'. - Tagged sand at 9,434' (Jt. 302) Tagged up on #2 Frac plug @ 9,521' (Jt. 305) At 12:00. Tagged at actual depth. start drilling @ 12:02,PIR-3bpm @ 3100 psi,returns 3.5 bpm 2000 psi.WOB-8K,PU WT-34K,NEU WT-32K,SO WT 30K. 12:22 thru Frac Plug #2 plug 20 mins. pump 10 bbl sweep set swivel back.Continue RIH to frac plug #3 @ 9,744'. - Tagged sand at 8865' (Jt. 283) Tagged up on

#1 Frac plug @ 8,895' (Jt. 284) At 09:35. Tagged at actual depth. start drilling,PIR-3bpm @ 3100 psi,returns 3.5 bpm 2000 psi.WOB-8K,PU WT-34K,NEU WT-32K,SO WT 30K. 09:58 thru Frac Plug #1 plug 18 mins. pump 10 bbl sweep set swivel back.Continue RIH to frac plug #2 @ 9,521'. - Continue RIH with tubing down to Kill plug @ 8,747' Tagged up on Jt. 280. Tagged at actual depth. start drilling,PIR-2.9 bpm @ 3800 psi,returns 3.5 bpm 2500 psi.WOB-8K,PU WT-34K,NEU WT-32K,SO WT 30K. 08;40 thru kill plug 25 mins. pump 10 bbl sweep set swivel back.Continue RIH to frac plug #1 @ 8,895'.
Daily Cost: $0
Cumulative Cost: $676,622

12/23/2012 Day: 19 **Completion**

Rigless on 12/23/2012 - ND BOP, HCR, NU Production tree rig workover unit. De-Mob - Current Operation :Knight oil tools 7-1/16? 5k BOP ND loaded out w/ closing unit on Western w/s hotshot, FMC 7-1/16? 10k HCR w/ closing unit loaded out on Western w/s hotshot both going to Vernal Utah. Cameron NU 10K Production tree. Hauling pit water to disposal, Mountain w/s will be rigging down as soon as tree is NU void tested. Weatherford circulating unit RD off Lusty 1-11-3-3W, drained laying hardline to Lusty 2-11-3-3 WH, Tetra flow testers RD Lusty 1-11-3-3W Drained, moved flowback line to Lusty 2-11-3-3WH RU to wellhead but not connected. - 0430 Current Operations : PT void 10k production tree to 7-1/16? raised neck hanger 9,500 Psi high 10 min. 250 Psi low 5 min. test good, Laying derrick over then presume w/ PT body of 10k production tree. After a visual inspection of annular bag worn, missing chunks or rubber, steel finger bent possibly from collars on 2-3/8? EUE collars, Knight oil tools changing out annular have one on the floor in Vernal in transit - Tested Production tree to 9500K. Tested good. Move the rig to the Lusty 2-11-3-3WH. - Here whats in the well from top to bottom- Tbg.extened neck Hanger ID. 2 3/8" 8 rd. EUE., 280jts. (8771.84), 2 3/8" EUE 8rnd "WX" Profile Nipple with 1.875" Seal Bore with 2 3/8" N-80 Coupling. 1- 2 3/8" joint (30.98)., BRS20 Bit Release Sub with 1R Float 2 3/8" Reg. Box Down X 2 3/8" EUE Box Up (Note: The Top Sub of the BRS 20 has a 3 1/16" O.D. Fishing Neck .48' long at t., 2 3/8" Reg. Box X Pin Float Sub with 1R Float. & 3 3/4" Hurricane Insert Mill with 2 3/8" Reg Pin up. When receive orders from Newfeild to drop ball and pump off bit. Moved rig off the well. Cameron pulled back pressure valve. - 0045 Current Operation : Tubing hanger landing joint marked, measured, hanger landed in bowl, set screws and packing glands tighten, pressures bleed off, closing unit pressure bleed off, Moving skater, pipe racks, RU B&G Crane, ND BOP and HCR. Current temperatures -12 degrees.
Daily Cost: $0
Cumulative Cost: $872,400

12/27/2012 Day: 23 **Completion**

Rigless on 12/27/2012 - No Work Completed - No Work Done - No Work Done - No Work Done - No Work Done - No Work Done - No Work Done - No Work Done - No Work Done - No Work Done - No Work Done - No Work Completed. Well shut in. - No Work Completed. Well shut in. - No Work Completed. Well shut in. - No Work Completed. Well shut in. - No Work Done
Daily Cost: $0
Cumulative Cost: $902,972

12/28/2012 Day: 24 **Completion**

Rigless on 12/28/2012 - Well shit in no activity - No activity. Well shut in.
Daily Cost: $0
Cumulative Cost: $1,076,226

12/29/2012 Day: 25 **Completion**

Rigless on 12/29/2012 - No activity - Well shut in no activity Price up date
Daily Cost: $0
Cumulative Cost: $1,089,278

1/1/2013 Day: 26 **Completion**

Rigless on 1/1/2013 - Pump down tbg and pump off bit, Turn well over to production Dept - . Turn well over to production dept - RU Weatherford to well head pressure puming and line 5,000 psi, Good test. Hole well head pressure @ 2800 psi. Start pumping @ 2.5 bMP @ 3500 psi Pressure increase to 4000 psi and drop back to 3300 psi, pump 30 bbls BFW and 30 bbl of BBW shut down ISIP @ 3400 psi 5 min 3100 psi. Shut well in. RDMO Weatherford pumping ser. - Well shut in no activity
Daily Cost: $0
Cumulative Cost: $1,091,952

1/5/2013 Day: 27 **Completion**

Rigless on 1/5/2013 - Capture Costs in DCR - Capture Costs in DCR
Daily Cost: $0
Cumulative Cost: $1,095,345

1/26/2013 Day: 29 **Completion**

Rigless on 1/26/2013 - Run PLS log w/ Halliburton. Return well to production. Job complete. - 14:00 ? POOH w/ logging tools. 13:30 ? Station stops @ top of stages: Stg# Depth Temp PSI Spinner Dens GHT Rate 1 9960? 223 3283 1.09 0.96 20142 2 9750? 220 3193 0.53 0.97 20058 3 9530? 193 3101 1.91 0.92 19639 4 9340? 215 3025 2.83 0.83 19285 5 8830? 211 2838 2.41 0.85 18955 - 16:30 ? Job complete. All personnel off location. 15:30 ? OOH. SI crown valve. Bleed down pressure. RD & loadout logging equipment. - 08:30 ? Start logging @ 8820? at top perf. Log down to 10,190? & up to 8820? @ 30?, 60 & 120? per min. 07:00 - Open well & RIH w/ Halliburton logging tools to 8845?. Sales Rate 225 scfm. SICP ? 1050 psi. FTP ? 210 psi. - 06:45 - Spot & RU Four Star pressure test truck. Pressure test lubricator to 4300 psi. Good test. Bleed pressure down to 300 psi. 06:15 - FTP - 250 psi. Spot & RU Halliburton logging equipment. 06:00 - JSA w/ Halliburton. Discuss: PPE, slips, trips, falls, pinch points, muster points, smoking policy, high pressure, mentors & days operations.
Daily Cost: $0
Cumulative Cost: $1,135,261

2/27/2013 Day: 31 **Completion**

Rigless on 2/27/2013 - Capture Costs in DCR - Capture Costs in DCR from a delayed ticket from FMC. Vendor was contacted to discuss delivery of tickets to location and getting them in a timely fashion. Coist adjustments from Knight and Cleaning of R4R tanks costs. Capture delayed BOP repairs from Knight. Delay due to revisions made per NFX request. 7/9/13
Daily Cost: $0
Cumulative Cost: $1,191,242

3/13/2013 Day: 1 **Conversion**

Nabors #1420 on 3/13/2013 - MIRU WOR.ND WH. NU BOP. Test BOP. - - Install TWCV. ND WH. NU BOP. Spot in Weatherford test pump. Perform dead head test on pump, found check valve leaking. Replace check valve and retest, OK. Test outside wing valve to 250 psi, found small leak in stem packing. BO pressure and function valve. Test outside wing valve to 250 psi for 5 minutes, OK. BO pressure. Pressure to 5000 psi for 10 minutes, OK. BO pressure. Test inside wing valve to 250 psi for 5 minutes, OK. BO pressure. Pressure to 5000 psi for 10 minutes, OK. BO pressure. Test blind rams to 250 psi for 5 minutes, battery dead on chart recorder. Replaced battery, recorder still would not work. Replaced battery with a good battery. Test blind rams to 250 psi for 5 minutes, OK. BO pressure. Pressure to 5000 psi for 10 minutes, OK. BO pressure. PU tbg pup and TIW valve. Test pipe rams and TIW to 250 psi for 5 minutes, OK. BO pressure. Pressure to 5000 psi for 10 minutes, OK. BO pressure. Test annular preventer to 3500 psi for 10 minutes, OK. Remove pup and TIW. Secure well, location, and equipment. SDFN. - - JSA and safety meeting. SITP 1000 psi. FCP 100 psi. MIRU Nabors Rig #1420. Spot in HO trk.BO tbg. Pump 70 bbl hot water down tbg. RDMO HO trk. - Install TWCV. ND WH. NU BOP. Spot in Weatherford test pump. Perform dead head test on pump, found check valve leaking. Replace check valve and retest, OK. Test outside wing valve to 250 psi, found small leak in stem packing. BO pressure and function valve. Test outside wing valve to 250 psi for 5 minutes, OK. BO pressure. Pressure to 5000 psi for 10 minutes, OK. BO pressure. Test inside wing valve to 250 psi for 5 minutes, OK. BO pressure. Pressure to 5000 psi for 10 minutes, OK. BO pressure. Test blind rams to 250 psi for 5 minutes, battery dead on chart recorder. Replaced battery, recorder still would not work. Replaced battery with a good battery. Test blind rams to 250 psi for 5 minutes, OK. BO pressure. Pressure to 5000 psi for 10 minutes, OK. BO pressure. PU tbg pup and TIW valve. Test pipe rams and TIW to 250 psi for 5 minutes, OK. BO pressure. Pressure to 5000 psi for 10 minutes, OK. BO pressure. Test annular preventer to 3500 psi for 10 minutes, OK. Remove pup and TIW. Secure well, location, and equipment. SDFN. - Install TWCV. ND WH. NU BOP. Spot in Weatherford test pump. Perform dead head test on pump, found check valve leaking. Replace check valve and retest, OK. Test outside wing valve to 250 psi, found small leak in stem packing. BO pressure and function valve. Test outside wing valve to 250 psi for 5 minutes, OK. BO pressure. Pressure to 5000 psi for 10 minutes, OK. BO pressure. Test inside wing valve to 250 psi for 5 minutes, OK. BO pressure. Pressure to 5000 psi for 10 minutes, OK. BO pressure. Test blind rams to 250 psi for 5 minutes, battery dead on chart recorder. Replaced battery, recorder still would not work. Replaced battery with a good battery. Test blind rams to 250 psi for 5 minutes, OK. BO pressure. Pressure to 5000 psi for 10 minutes, OK. BO pressure. PU tbg pup and TIW valve. Test pipe rams and TIW to 250 psi for 5 minutes, OK. BO pressure. Pressure to 5000 psi for 10 minutes, OK. BO pressure. Test annular preventer to 3500 psi for 10 minutes, OK. Remove pup and TIW. Secure well, location, and equipment. SDFN. - JSA and safety meeting. SITP 1000 psi. FCP 100 psi. MIRU Nabors Rig #1420. Spot in HO trk.BO tbg. Pump 70 bbl hot water down tbg. RDMO HO trk. - JSA and safety meeting. SITP 1000 psi. FCP 100 psi. MIRU Nabors Rig #1420. Spot in HO trk.BO tbg. Pump 70 bbl hot water down tbg. RDMO HO trk. -
Daily Cost: $0
Cumulative Cost: $12,205

3/14/2013 Day: 2 **Conversion**

Nabors #1420 on 3/14/2013 - Kill well. TOH. Run prod tbg. - JSA and safety meeting. FCP 25 psi. Spot in Cameron. Lubricate TWCV out of tbg hanger. SITP 720 psi. BO pressure. Roll hole with 310 bbl produced water. Tally tbg OH 100 stands. Pump 110 bbl brine down csg to kill well. Finish TOOH. LD XN nipple, 1 jt tbg, and bit release sub. PU pump assembly and TIH with 122 jts to 3,910?. Secure well, location, and equipment. SDFN. - JSA and safety meeting. FCP 25 psi. Spot in Cameron. Lubricate TWCV out of tbg hanger. SITP 720 psi. BO pressure. Roll hole with 310 bbl produced water. Tally tbg OH 100 stands. Pump 110 bbl brine down csg

to kill well. Finish TOOH. LD XN nipple, 1 jt tbg, and bit release sub. PU pump assembly and TIH with 122 jts to 3,910?. Secure well, location, and equipment. SDFN. - JSA and safety meeting. FCP 25 psi. Spot in Cameron. Lubricate TWCV out of tbg hanger. SITP 720 psi. BO pressure. Roll hole with 310 bbl produced water. Tally tbg OH 100 stands. Pump 110 bbl brine down csg to kill well. Finish TOOH. LD XN nipple, 1 jt tbg, and bit release sub. PU pump assembly and TIH with 122 jts to 3,910?. Secure well, location, and equipment. SDFN.
Daily Cost: $0
Cumulative Cost: $27,686

3/15/2013 Day: 3 **Conversion**

Nabors #1420 on 3/15/2013 - Finish running prod tbg. Kill well. Set TAC. ND BOP. NUWH. Clean up equipment. - Spot in HO trk. Clean oil and paraffin off equipment. Break out and rack csg lines. Change rig equipment from tbg to rods. Secure well, location, and equipment. SDFN. - JSA and safety meeting. SICP 120 psi. SICP 570 psi. BO pressure on tbg. BO csg, slight flow. TIH with 98 jts. PU 48 jts tbg. Prod tbg as follows: 326 jts 2-3/8? 4.7# EUE 8rd L-80 tbg, 2-3/8? x 4-1/2? TAC, 1 jt 2-3/8? 4.7# EUE 8rd L-80 tbg , SN with 1-25/32? ID, 2-3/8? Cavins desander 19.25? L, 2 jts 2-3/8? 4.7# EUE 8rd L-80 tbg , Cavins dump valve. TAC @ 10,208.46?. SN @ 10,243.77?. Desander @ 10,249.03?. EOT @ 10330.18?. Ttl 328 jts in hole. Pump 50 bbl brine down csg and 10 bbl brine down tbg to kill well. Well started flowing up tbg while removing Washington rubber. Shut in csg. Pump 25 bbl brine down tbg, on vac. Set TAC with 8? pup. Land tbg with TAC in compression. ND BOP. Slight flow on csg.Pump 10 bbl brine down tbg. Pump 60 bbl down csg. Remove 8? pup and land tbg with 24K tension. NU WH. - JSA and safety meeting. SICP 120 psi. SICP 570 psi. BO pressure on tbg. BO csg, slight flow. TIH with 98 jts. PU 48 jts tbg. Prod tbg as follows: 326 jts 2-3/8? 4.7# EUE 8rd L-80 tbg, 2-3/8? x 4-1/2? TAC, 1 jt 2-3/8? 4.7# EUE 8rd L-80 tbg , SN with 1-25/32? ID, 2-3/8? Cavins desander 19.25? L, 2 jts 2-3/8? 4.7# EUE 8rd L-80 tbg , Cavins dump valve. TAC @ 10,208.46?. SN @ 10,243.77?. Desander @ 10,249.03?. EOT @ 10330.18?. Ttl 328 jts in hole. Pump 50 bbl brine down csg and 10 bbl brine down tbg to kill well. Well started flowing up tbg while removing Washington rubber. Shut in csg. Pump 25 bbl brine down tbg, on vac. Set TAC with 8? pup. Land tbg with TAC in compression. ND BOP. Slight flow on csg.Pump 10 bbl brine down tbg. Pump 60 bbl down csg. Remove 8? pup and land tbg with 24K tension. NU WH. - JSA and safety meeting. SICP 120 psi. SICP 570 psi. BO pressure on tbg. BO csg, slight flow. TIH with 98 jts. PU 48 jts tbg. Prod tbg as follows: 326 jts 2-3/8? 4.7# EUE 8rd L-80 tbg, 2-3/8? x 4-1/2? TAC, 1 jt 2-3/8? 4.7# EUE 8rd L-80 tbg , SN with 1-25/32? ID, 2-3/8? Cavins desander 19.25? L, 2 jts 2-3/8? 4.7# EUE 8rd L-80 tbg , Cavins dump valve. TAC @ 10,208.46?. SN @ 10,243.77?. Desander @ 10,249.03?. EOT @ 10330.18?. Ttl 328 jts in hole. Pump 50 bbl brine down csg and 10 bbl brine down tbg to kill well. Well started flowing up tbg while removing Washington rubber. Shut in csg. Pump 25 bbl brine down tbg, on vac. Set TAC with 8? pup. Land tbg with TAC in compression. ND BOP. Slight flow on csg.Pump 10 bbl brine down tbg. Pump 60 bbl down csg. Remove 8? pup and land tbg with 24K tension. NU WH. - Spot in HO trk. Clean oil and paraffin off equipment. Break out and rack csg lines. Change rig equipment from tbg to rods. Secure well, location, and equipment. SDFN. - Spot in HO trk. Clean oil and paraffin off equipment. Break out and rack csg lines. Change rig equipment from tbg to rods. Secure well, location, and equipment. SDFN.
Daily Cost: $0
Cumulative Cost: $38,150

3/16/2013 Day: 4 **Conversion**

Nabors #1420 on 3/16/2013 - PU pump and rods. - JSA and safety meeting. Hot water well with 35 bbl produced water. At that point HO truck (Preferred Hot Oil Serv) loaded with 40 bbl brine to kill tbg. He had 15 bbl prod water on trk, diluting brine. Pumped diluted brine down tbg to kill well. Called for 50 bbl more brine to kill well. HO truck was also 2 hrs late. PU new

2? x 1.5? x 36 RHBC pump (#NF646J), 16-7/8? Tenaris MMS 4per rods, 160-3/4? Tenaris MMS slick rods, 94-3/4? Tenaris 4per rods, 136-7/8? Tenaris 4per rods, 1-7/8? x 2? pony, and 1-1/2? X 40? polished rod with turned down pins. Space out rods with pump 3? off bottom. Clamp off rods. Load tbg with 6 bbl produced water. Long stroke pump, good pump action. RDMO WOR. Slide RotoFlex unit forward on skid. - JSA and safety meeting. Hot water well with 35 bbl produced water. At that point HO truck (Preferred Hot Oil Serv) loaded with 40 bbl brine to kill tbg. He had 15 bbl prod water on trk, diluting brine. Pumped diluted brine down tbg to kill well. Called for 50 bbl more brine to kill well. HO truck was also 2 hrs late. PU new 2? x 1.5? x 36 RHBC pump (#NF646J), 16-7/8? Tenaris MMS 4per rods, 160-3/4? Tenaris MMS slick rods, 94-3/4? Tenaris 4per rods, 136-7/8? Tenaris 4per rods, 1-7/8? x 2? pony, and 1-1/2? X 40? polished rod with turned down pins. Space out rods with pump 3? off bottom. Clamp off rods. Load tbg with 6 bbl produced water. Long stroke pump, good pump action. RDMO WOR. Slide RotoFlex unit forward on skid. - JSA and safety meeting. Hot water well with 35 bbl produced water. At that point HO truck (Preferred Hot Oil Serv) loaded with 40 bbl brine to kill tbg. He had 15 bbl prod water on trk, diluting brine. Pumped diluted brine down tbg to kill well. Called for 50 bbl more brine to kill well. HO truck was also 2 hrs late. PU new 2? x 1.5? x 36 RHBC pump (#NF646J), 16-7/8? Tenaris MMS 4per rods, 160-3/4? Tenaris MMS slick rods, 94-3/4? Tenaris 4per rods, 136-7/8? Tenaris 4per rods, 1-7/8? x 2? pony, and 1-1/2? X 40? polished rod with turned down pins. Space out rods with pump 3? off bottom. Clamp off rods. Load tbg with 6 bbl produced water. Long stroke pump, good pump action. RDMO WOR. Slide RotoFlex unit forward on skid.

Daily Cost: $0

Cumulative Cost: $301,145

Pertinent Files: Go to File List